CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS.

New York, May 11, 1905.

CONTENTS.

CONSTRUCTION NEWS:
Plans and Specifications on File 173
List of Contracts Pending 173
Railways 174
Electric Railways 174
Light and Power Plants 175
Bridges 176
Buildings 176
Water Supply and Irrigation 177
Sewerage 177
Garbage Disposal 178
Streets and Roads 178
Manufacturing Plants 179
Miscellaneous Contracts 179
U. S. Possessions and Cuba 180
BUILDERS' WANTS 179
PROPOSALS 180

CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close	Work.	Place.	See On file. issue.
May			
11	Breakwater	Los Angeles, Cal.	S. 4-27
*12	Filling equipmt.	Columbia, S. C.	P. & S. 4-27
*12	Dam, pipe line, etc.	Oneida, N. Y.	P. & S. 5- 4
*14	Water-works	Mansfield, La.	S. 2- 2
*16	Pipe and specials	Cleveland, O.	S. 5- 4
18	Sewer system	Mt. Carmel, Pa.	S. 4-27
19	Drainage work	Havana, Ill.	S. 5-11
*31	Court-house	Baltimore, Md.	P. & S. 6-11
*24	Bulkhead	Baltimore, Md.	P. & S. 5- 4
June			
*6	Water tunnel	Toronto, Ont.	P. & S. 5- 4
Aug.			
26	Coaling plant	Philippines	S. 5- 4
Sept.			
1	Steel manufacture	New S. Wales.	S. 3-23

*Work advertised in Engineering News.

LIST OF CONTRACTS PENDING.

Bids close. Work. Place. See issue.

LIGHT, HEAT AND POWER PLANTS.

May 12. Three power houses, Pittsburg, Pa. ..... Apr. 27
May 13. Boiler, Marshall, Minn. ..... May 11
May 15. Arc lighting, Edmonton, Alta. ..... May 4
May 15. Power development, Pentwater, Mich. ..... May 4
May 15. Electric plant, Jewell City, Kan. ..... Mar. 23
May 17. Gas plant, Oxford, Pa. ..... May 4
May 18. Electrical equipment, Oswego, N. Y. ..... May 4
Advertised, Eng. News, May 4 and 11.
May 18. Power plant, Ashland, Va. ..... May 4
May 20. Lighting plant, Washington, D. C. ..... May 4
Advertised, Eng. News, May 4 to 18.
May 31. Heating plant, etc., Washington, D. C. ..... May 4
Advertised, Eng. News, May 4 to 25.
June 8. Gas supply, Newport, Ky. ..... Apr. 27

BRIDGES.

May 13. Bridge, Iron, Salem, Va. ..... May 11
May 15. Bridge, steel, Park Rapids, Minn. ..... May 11
May 15. Stone pier, Middletown, N. Y. ..... May 11
Advertised, Eng. News, May 11.
May 15. Bridge, Everett, Wash. ..... May 4
May 15. Bridge, England ..... Apr. 27
May 16. Bridge, steel, Georgetown, S. C. ..... May 4
May 16. Bridge, steel, Cleveland, O. ..... May 11
May 17. Abutments, Cleveland, O. ..... Apr. 27
May 17. Bridge, Pittsburg, Pa. ..... Apr. 27
May 19. Bridge, iron, Mt. Carroll, Ill. ..... Apr. 27
May 20. Bridge, steel, Mitchell, S. Dak. ..... May 4
May 20. Bridges, Rosepine, La. ..... May 4
May 20. Bridge, Lenox, Mass. ..... May 11
May 22. Bridges, steel, New Rockford, N. Dak. ..... May 11
May 22. Bridge, San Bernardino, Cal. ..... May 4
May 26. Bridge, steel, Buffalo, Minn. ..... May 11
May 23. Culvert, Toledo, O. ..... May 11
May 24. Bridge, Ellendale, N. Dak. ..... May 4
May 25. Bridge, steel, West Newton, Pa. ..... May 11
May 25. Bridge, Zanesville, O. ..... May 11
May 26. Bridges, Tacoma, Wash. ..... May 11
June 1. Bridges, steel, Springfield, Mo. ..... Apr. 20
June 6. Bridge, Dayton, O. ..... May 11
Advertised, Eng. News, May 11 to June 8.

BUILDINGS.

May 12. Metal office equipment, Columbia, S. C. ..... Apr. 27
Advertised, Eng. News, Apr. 27 and May 4.
May 12. Theater, Camden, N. J. ..... May 11
May 13. School, Romney, W. Va. ..... May 11
May 13. Ornamental terra cotta, Washington, D. C. ..... Apr. 20
Advertised, Eng. News, Apr. 20 to May 11.
May 13. Mess halls, etc., Ft. Sam Houston, Tex. ..... Apr. 20
May 15. Bank Building, Drakes Branch, Va. ..... May 4
May 15. Buildings, Portsmouth, N. H. ..... May 4
May 15. Bank building, Fayetteville, W. Va. ..... May 11
May 15. Theater, Cumberland, Md. ..... May 11
May 16. Court-house, Utica, N. Y. ..... May 11
May 16. Building, Lafayette, Ind. ..... May 4
May 17. School, New York, N. Y. ..... May 4
May 17. Building, Kings Park, N. Y. ..... May 4
Advertised, Eng. News, May 4 and 11.
May 17. Structural steel, Washington, D. C. ..... Apr. 20
Advertised, Eng. News, Apr. 20 to May 11.
May 19. School, New Haven, Conn. ..... May 11
May 20. Court-house, Hartford City, Ind. ..... May 11
May 20. Masonic Temple plans, Brooklyn, N. Y. ..... Mar. 30
May 20. Prison addition, Trenton, N. J. ..... Apr. 27
May 20. Light Fixtures, Ft. Hancock, N. J. ..... May 4
May 22. School, Austin, Pa. ..... May 4
May 22. Officers' quarters, Washington, D. C. ..... Apr. 27
Advertised, Eng. News, Apr. 27 and May 4.
May 22. Barracks, Prescott, Ariz. ..... Apr. 27
Advertised, Eng. News, Apr. 27 to May 11.
May 22. Schools, New York, N. Y. ..... May 11
May 23. Machine shop (Mfg. Pl.), Newport, R. I. ..... May 11
Advertised, Eng. News, May 11 and 18.
May 23. Post-office, Owosso, Mich. ..... Apr. 20
May 23. Hospital, Raleigh, N. C. ..... May 4
May 24. Heating apparatus, Pekin, Ill. ..... May 4
May 24. Hospital, Jersey City, N. J. ..... May 11
May 25. Church, Indianapolis, Ind. ..... May 4
May 26. Post-office, Geneva, N. Y. ..... Apr. 20
May 26. Oil house, Delaware City, Del. ..... Apr. 27
Advertised, Eng. News, Apr. 27 to May 25.
May 25. Hospital, Ft. Riley, Kan. ..... May 4
May 26. Wiring, Kankakee, Ill. ..... May 4
May 26. Heating plant, Indianapolis, Ind. ..... May 11
May 26. School, Tipton, Ind. ..... May 11
May 27. Buildings, Vancouver Barracks, Wash. ..... May 4
Advertised, Eng. News, May 4 to 25.
May 29. Court-house and jail, Norman, Okla. ..... May 4
May 29. Heating apparatus, Kankakee, Ill. ..... May 4
May 31. Post-office, Allentown, Pa. ..... Apr. 27
Advertised, Eng. News, Apr. 27 and May 4.

WATER SUPPLY AND IRRIGATION.

May 12. Pipe laying, Cincinnati, O. ..... Apr. 20
May 12. Dam, pipe line, etc., Oneida, N. Y. ..... May 4
Advertised, Eng. News, May 4.
May 14. Water-works, Mansfield, La. ..... Mar. 2
Advertised, Eng. News, Mar. 2.
May 15. Pumping engine, Montreal, Que. ..... Mar. 9
Advertised, Eng. News, Mar. 9.
May 15. Gate and outworks, La Junta, Colo. ..... Apr. 27
Advertised, Eng. News, Apr. 27 and May 4.
May 15. Stand pipe, etc., Montgomery, Ala. ..... May 4
Advertised, Eng. News, May 4 and 11.
May 15. Engine foundation, Cleveland, O. ..... May 11
May 16. Water mains, hydrants, etc., Ada, Minn. ..... May 11
May 16. Pipe, castings, Cleveland, O. ..... May 4
Advertised, Eng. News, May 4.
May 16. Irrigation canals, Denver, Colo. ..... Mar. 23
Advertised, Eng. News, Mar. 23 to May 4.
May 17. Water-works, New Madrid, Mo. ..... May 4
Advertised, Eng. News, May 4 and 11.
May 17. Water-works, Lumberton, Miss. ..... May 4
Advertised, Eng. News, May 4 and 11.
May 17. Pump, motor, Buffalo, N. Y. ..... May 11
May 17. Water mains, etc., New York, N. Y. ..... May 11
May 18. Water-works, Marshall, Tex. ..... May 11
[illegible] Iron pipe, etc., Oswego, N. Y. ..... May 4
Advertised, Eng. News, May 4 and 11.
May 18. Boiler, pump, etc., Ft. Assiniboine, Mont. ..... Apr. 27
Advertised, Eng. News, Apr. 27 to May 18.
May 20. Water intake, etc., Oswego, N. Y. ..... Apr. 27
Advertised, Eng. News, Apr. 27 to May 18.
May 22. Water tanks, Fort De Soto, Fla. ..... May 11
May 25. Boilers, Nashville, Tenn. ..... May 11
May 27. Steam pumps, pipe, etc., Wash., D. C. ..... May 4
Advertised, Eng. News, May 4 to June 1.
June 1. Irrigation canals, etc., Glendive, Mont. ..... Apr. 6
Advertised, Eng. News, Apr. 6 to May 18.
June 2. Engines and boilers, Cincinnati, O. ..... May 4
June 6. Laguna dam, Los Angeles, Cal. ..... May 4
Advertised, Eng. News, May 4 to 25.
June 6. Water tunnel, etc., Toronto, Ont. ..... May 4
Advertised, Eng. News, May 4 to 25.
June 13. Irrigation dam, Denver, Colo. ..... May 4
Advertised, Eng. News, May 4 to June 1.
June 13. Irrigation work, bridge, Hazen, Nev. ..... May 4
Advertised, Eng. News, May 4 to June 1.
June 15. Irrigation canals, Boise, Idaho ..... Apr. 27
Advertised, Eng. News Apr. 27 to June 8.
June 28. Irrigation canal, Billings, Mont. ..... May 4
Advertised, Eng. News, May 4 to June 15.
June 28. Pumping station, etc., Billings, Mont. ..... May 4
Advertised, Eng. News, May 4 to June 15.

SEWERAGE.

May 12. Sewers, Lestershire, N. Y. ..... **May 4**
Advertised, Eng. News, May 4 and 11.
May 12. Sewer system, Idaho, Falls, Idaho ..... Apr. 20
May 14. Septic tanks, Birmingham, Ala. ..... Apr. 27
May 15. Sewers, Kenosha, Wis. ..... May 4
May 15. Sewers, etc., Freeport, Pa. ..... May 4
Advertised, Eng. News, May 4 and 11.
May 15. Trunk sewer, Augusta, Ga. ..... May 11
May 15. Sewer, Grand Forks, N. Dak. ..... May 11
May 16. Sewers, Green Bay, Wis. ..... May 4
May 17. Sewer, Amsterdam, N. Y. ..... May 4
May 17. Sewers, Washington, D. C. ..... Apr. 27
Advertised, Eng. News, Apr. 27 and May 4.
May 17. Sewers, Brooklyn, N. Y. ..... May 11
May 17. Sewer, Modesto, Cal. ..... May 11
May 18. Sewers, Ballston Spa, N. Y. ..... May 11
May 18. Sewer, Columbus, O. ..... May 11
May 18. Sewer system, Mt. Carmel, Pa. ..... May 4
Advertised, Eng. News, May 4 and 11.
May 19. Sewer system, Puyallup, Wash. ..... May 4
May 19. Sewer, Peterboro, Ont. ..... May 11
May 19. Sewer, Steubenville, O. ..... May 11
May 20. Pipe sewers, Marion, S. C. ..... May 11
May 25. Sewers, North Platte, Neb. ..... May 4
Advertised, Eng. News, May 4 to 25.

STREETS AND ROADS.

May 12. Paving, sheet asphalt, Wash., D. C. ..... Apr. 27
Advertised, Eng. News, Apr. 27 and May 4.
May 12. Paving, asphalt block, Wash., D. C. ..... Apr. 27
Advertised, Eng. News, Apr. 27 and May 4.
May 13. Concrete walks, Seattle, Wash. ..... May 4
May 13. Grading, Rutland, Ia. ..... May 4
May 13. Grading, Washington, D. C. ..... Apr. 27
Advertised, Eng. News, Apr. 27 and May 4.
May 13. Road, Cleveland, O. ..... Apr. 27
May 13. Macadamizing, Norwood, O. ..... Apr. 20
May 15. Roads, Henderson, N. C. ..... Apr. 27
Advertised, Eng. News, Apr. 27 and May 4.
May 15. Granolithic walks, Port Townsend, Wash. ..... May 11
May 15. Paving, asphalt, Paterson, N. J. ..... May 11
May 16. Brick paving, Sandusky, O. ..... May 11
May 16. Macadamizing, Upper Marlboro, Md. ..... May 11
May 16. Paving, Rensselaer, N. Y. ..... May 11
May 16. Grading, etc., Normal City, Ind. ..... Apr. 27
May 16. Paving, Trenton, N. J. ..... May 4
May 17. Asphalt paving, Louisville, Ky. ..... May 11
May 17. Brick paving, Terre Haute, Ind. ..... May 11
May 17. Concrete walks, Dunnville, Ont. ..... May 11
May 18. Graveling, Trenton, O. ..... May 11
May 18. Sidewalks, National Home, Wis. ..... Apr. 27
May 19. Road repair, Richmond, Va. ..... May 4
May 19. Paving, Buffalo, N. Y. ..... May 11
May 19. Road, West Boylston, Mass. ..... May 11
Advertised, Eng. News, May 11.
May 20. Grading, Washington, D. C. ..... May 4
Advertised, Eng. News, May 4 and 11.
May 20. Concrete walks, Ft. Mackenzie, Wyo. ..... Apr. 27
May 22. Block paving, Bluefield, W. Va. ..... Apr. 27
Advertised, Eng. News, Apr. 27 and May 4.
May 22. Macadamizing, Wyoming, O. ..... May 4
May 22. Brick paving, Canton, O. ..... May 11
May 22. Paving, Elmira, N. Y. ..... May 11
May 22. Paving, vitrified brick, Binghamton, N. Y. ..... May 11
Advertised, Eng. News, May 11 and 18.
May 22. Paving, brick, Little Rock, Ark. ..... May 11
May 23. Grading, Cleveland, O. ..... May 11
May 24. Sidewalks, Brooklyn, N. Y. ..... May 11
May 27. Roads and walks, Oswego, N. Y. ..... May 4
Advertised, Eng. News, May 4 to June 1.

MISCELLANEOUS CONTRACTS.

May 12. Ranges, stoves, etc., Washington, D. C. ..... Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 12. Tinsmiths' supplies, etc., Wash., D. C. ..... Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 12. Hose, rope, etc., Washington, D. C. ..... Apr. 20
May 12. Rock removal, New York, N. Y. ..... Apr. 13
Advertised, Eng. News, Apr. 13 to May 11.
May 12. Ry. grading, masonry, C. C. C. & St. L. ..... May 4
May 13. Brooms, etc., Washington, D. C. ..... Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 13. Riprap, Duluth, Minn. ..... Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 13. Machinery, etc., Washington, D. C. ..... Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 13. Pier work, Buffalo, N. Y. ..... Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 15. Rock excavation, Chicago, Ill. ..... Apr. 20
Advertised, Eng. News, Apr. 20 to May 4.
May 15. Excavation, Buffalo, N. Y. ..... Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 15. Paints and oils, etc., Wash., D. C. ..... Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 15. Dredging, Newport, R. I. ..... Apr. 13
Advertised, Eng. News, Apr. 13 to May 11.
May 15. Iron, steel, etc., Watervliet, N. Y. ..... Apr. 27
May 15. Dredging, Ottawa, Ont. ..... May 4
May 15. Pier work, cement, New York, N. Y. ..... May 11
May 15. Retaining wall, New York, N. Y. ..... May 11
May 15. Ry. grading, Atlanta, Birmingham & Atlantic Ry. ..... May 11
Advertised, Eng. News, May 11 and 18.
May 16. Cement, stone, carts, etc., Wash., D. C. ..... May 4
May 16. Retaining wall, Trenton, N. J. ..... May 4
May 16. Locomotive cranes, Washington, D. C. ..... Apr. 27
Advertised, Eng. News, Apr. 27 to May 18.
May 16. Machinery, Washington, D. C. ..... Apr. 13
May 16. Cement, Wheeling, W. Va. ..... Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 16. Dredging, pier work, Milwaukee, Wis. ..... Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 16. Lumber, piles, etc., Washington, D. C. ..... Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 17. Miscellaneous supplies, Wash., D. C. ..... Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 18. Brick clay, doors, etc., Wash., D. C. ..... Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 18. Explosives, Washington, D. C. ..... Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 18. Sanitary fixtures, etc., Washington, D. C. ..... Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 18. Gravel, New York, N. Y. ..... May 11
May 18. Hose, New York, N. Y. ..... May 11
May 18. Retaining wall, Wheeling, W. Va. ..... May 11
May 19. Drainage work, Havana, Ill. ..... May 11
Advertised, Eng. News, May 11.
May 19. Lumber, Washington, D. C. ..... Apr. 20
Advertised, Eng. News, Apr. 20 to May 25.
May 19. Pier work, Cleveland, O. ..... Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 19. Jetty work, Savannah, Ga. ..... Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 19. Lock gates, Pittsburg, Pa. ..... Apr. 27
May 18. Wharf work, San Francisco, Cal. ..... May 4
May 20. Dam top, Pittsburg, Pa. ..... Apr. 27
May 20. Dam construction, Rock Island, Ill. ..... Apr. 27
Advertised, Eng. News, Apr. 27 to May 25.
May 20. Breakwater, Buffalo, N. Y. ..... Apr. 20
Advertised, Eng. News, Apr. 20 to May 25.
May 20. Dredging, New London, Conn. ..... May 4
Advertised, Eng. News, May 4 to 25.
May 22. Pier work, Buffalo, N. Y. ..... Apr. 27
Advertised, Eng. News, Apr. 27 to May 25.
May 22. Dredging, Cleveland, O. ..... Apr. 27
Advertised, Eng. News, Apr. 27 to May 25.
May 22. Ditch, Roseau, Minn. ..... May 11
May 23. Limestone, cement, etc., Wash., D. C. ..... May 11
May 23. Dredging, Newport, R. I. ..... Apr. 27
Advertised, Eng. News, Apr. 27 to May 25.
May 23. Rock removal, Newport, R. I. ..... Apr. 27
Advertised, Eng. News, Apr. 27 to May 25.
May 23. Breakwater repairs, Newport, R. I. ..... Apr. 27
Advertised, Eng. News, Apr. 27 to May 25.
May 23. Machine tools, Washington, D. C. ..... Apr. 20
May 24. Pipe, pipe fittings, etc., Wash., D. C. ..... May 4
Advertised, Eng. News, May 4 to 25.
May 24. Bulkhead, Baltimore, Md. ..... May 4
Advertised, Eng. News, May 4 to 25.
May 24. Retaining wall, Philadelphia, Pa. ..... May 11
May 25. Railway, Asheville & Craggy Mt. ..... May 11
May 25. Levee work, Memphis, Tenn. ..... Apr. 27
Advertised, Eng. News, Apr. 27 to May 25.
May 26. Dredging, Buffalo, N. Y. ..... Apr. 27
Advertised, Eng. News, Apr. 27 to May 25.
May 27. Lock, Pittsburg, Pa. ..... May 4
Advertised, Eng. News, May 4 to 25.
May 29. Stone superstructure, Buffalo, N. Y. ..... May 4
Advertised, Eng. News, May 4 to June 1.
May 29. Dredging, Portland, Me. ..... May 4
Advertised, Eng. News, May 4 to June 1.
May 29. Lock gates, etc., Nashville, Tenn. ..... May 4
Advertised, Eng. News, May 4 to June 1.
May 29. Lamp-shop, Tompkinsville, N. Y. ..... May 4
Advertised, Eng. News, May 4 and 11.
May 30. Refuse destructor, etc., New South Wales. ..... Apr. 27
May 31. Dikes, Cincinnati, O. ..... May 4
May 31. Dredge, Galveston, Tex. ..... May 4
Advertised, Eng. News, May 4 to June 1.
May 31. Dredging, Mobile, Ala. ..... May 4
Advertised, Eng. News, May 4 to June 1.
May 31. Light-house, Philadelphia, Pa. ..... May 4
Advertised, Eng. News, May 4 and 11.
June 1. Telephone system, Glendive, Mont. ..... May 4
Advertised, Eng. News, May 4 to June 1.
July 1. Street Railway, Chicago, Ill. ..... Apr. 13
Advertised, Eng. News, Apr. 13 to May 11.
June 2. Excavation, Grand Rapids, Mich. ..... May 4
Advertised, Eng. News, May 4 to 25.
June 5. Timber, Nashville, Tenn. ..... May 4
Advertised, Eng. News, May 4 to June 1.
July 10. Steam dredge, Spain ..... Apr. 27
June 15. Telephone line, Boise, Idaho ..... Apr. 27
Advertised, Eng. News, Apr. 27 to June 8.
June 15. Wharf, roadway, etc., Hawaii ..... May 4
No date. Grading work, Oglethorpe, Ga. ..... Apr. 20
Advertised, Eng. News, Apr. 20 and 27.
July 17. Railway construction, Africa ..... Apr. 27
Aug. 26. Coaling plant, Philippines ..... May 4
Sept. 1. Steel manufacture, New South Wales. ..... Mar. 23
Advertised, Eng. News, Mar. 30 to June 29.
Apr. 2, 1906. Port works, Chile ..... Apr. 27
Advertised, Eng. News, Apr. 27 to Jan 25.

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ARKANSAS, LOUISIANA & GULF.—A charter has been granted in Arkansas to this company, with a capital of $1,0.0,000, to build a road from Star City, Ark., to Portland, Ark., 60 miles, through the counties of Lincoln, Drew and Ashley. E. A. Sunderlin and J. H. Parker, of Colorado Springs, Colo.; J. G. Williams, J. D. Welsh, of Monticello; and H. R. Lucas, of Star City, are interested. J. M. Parker is Secy.

ASHEVILLE & CRAGGY MOUNTAIN.—Bids are asked until May 25 for building a 6-mile branch to connect Weaverville with the Southern Ry. at Craggy Station and with Asheville. R. S. Howland, Asheville, N. C., is Pres.; W. B. Twyn is Secy. The R. H. Tingley Co., 29 Broadway, New York, are Engrs.

ATLANTA, BIRMINGHAM & ATLANTIC.—Commencing May 15 bids will be received until May 20 for grading, clearing and grubbing, timbering and concrete in tunnel of about 20 miles of this road through Oak and Pine Mountains from Talbottom, Ga., to Warm Springs, Ga. Alex. Bonnyman, Ch. Engr., Oglethorpe, Ga. (Advertised, Engineering News.)

BALTIMORE & OHIO.—This company has awarded contracts for 10,000 new freight and refrigerator cars. This is said to be the largest aggregate contract ever awarded in this country. The work is divided among the following companies: American Car & Foundry Co., New York; the Pressed Steel Car Co., of Pittsburg; the Western Steel Car & Foundry Co., of Chicago; the South Baltimore Steel Car & Foundry Co., of Baltimore; the Standard Steel Car Co., of Pittsburg; the Cambria Steel Co., of Johnstown, Pa., and the Rodgers Ballast Car Co., of Chicago.

BAYFIELD, LAKE SHORE & WESTERN.—W. H. JOHNSON, of Superior, Wis., has been awarded contract for a 7-mile extension from Bayfield to Cornucopia. T. J. Stevenson, Bayfield, Wis., is Pres. and Gen. Mgr.

BETHEL GRANITE RY.—ROSS & McCRAY, of Strathway, Ont., have contract for building 5-mile branch to E. B. Ellis Granite Co. quarries. Noted last week.

BOSTON & MAINE.—A 1½-mile extension of Connecticut River Ry. Co.'s tracks in Deerfield, Mass., will be built at once.

CHESAPEAKE & OHIO.—Company is reported to have let contract to R. B. COWHERD, of Columbia, Va., to straighten line near Cartersville, Va.

CHICAGO & ALTON.—Bids are being taken on contract for grading new extension from Springfield, Ill., to Murrayville, 35 miles. The company's maintenance of way department will distribute ballast and lay the track, and will also build the few bridges necessary. The right-of-way is without grades or curves. It is hoped to have the line opened for freight traffic during the present year.

COLORADO, TEXAS & MEXICO.—Contract has been let to S. V. WARDALL & CO., of Topeka, Kan., for building line, 52 miles northward from Abilene to Haskell, and for 25 miles from Abilene south, the Haskell extension to be completed by November 1. THE SAN SABA CONSTRUCTION CO. is said to be the principal contractor. Morris R. Locke is Pres. and Gen. Mgr. of the railroad. F. Digby Roberts is Secy., and Fred. Cockrell, Gen. Attorney, Abilene, Tex.

CARROLLTON & WORTHVILLE.—We are informed that contract will be let at once for building this road. H. E. Randall, Carrollton, Ky., is Pres. The line will run from Carrollton to Worthville, 9½ miles. Surveys are made and most right-of-way granted. Capital has been secured.

COLORADO & SOUTHERN.—The plans to issue $17,000,000 of bonds to take over the Fort Worth & Denver City Ry., as noted on April 27, has been temporarily abandoned owing to veto of bill by Gov. McDonald, of Colorado, which authorized this purchase.

COMANCHE MINING & SMELTING CO.—A narrow-gage railroad will be built by this company from Silver City, N. Mex., to Pinos Altos, N. Mex., nine miles. C. J. Laughren is Mgr. Surveys are being run by George R. Brown.

EL PASO, MOUNTAIN PARK & ST. LOUIS.—A representative of the St. Louis, Mountain Park & El Paso has made a proposition to citizens of Wagoner, Ind. T., to run the road through that city, the company asking a bonus of 100 miles of right-of-way. The citizens accepted and signed the contract. This road was recently chartered here to run from St. Louis through El Paso, Tex., to the Gulf of California. Particulars noted on April 27.

GEORGIA, FLORIDA & ALABAMA.—Contract has been awarded to HARAWAY, WRIGHT & CO. to build a branch line, 13 miles long, from Havana to Quincy, Fla. J. Bonnyman, Bainbridge, Ga., is Ch. Engr.

GULF, HUTCHINSON & NORTHWESTERN.—Lacrosse and Big Timber, Kan., have voted to issue bonds to amount of $2,000 a mile toward construction of this railway for 15 miles. Noted fully on April 13.

HOUSTON, BEAUMONT & RED RIVER.—This company was chartered in Texas to build a railway, 300 miles long, from Houston to Alexandria, La., via Beaumont, Batson and Trinity, Tex. The line has been surveyed from Batson to Trinity, 17 miles, and is under survey from Trinity to Houston, 45 miles. Grading is in progress from Batson to Trinity and contracts for the rest of the grading will be let about July 1. J. O. Rose is Pres.; Edward Kennedy, Gen. Mgr., and Edgar Watkins, vice-Pres., all with headquarters at Houston, Tex. H. K. McCutcheon, 210 Main St., Houston, is Asst. Secy.

ILLINOIS CENTRAL.—According to plans to be drawn by company's engineers the embankment on the south side of East St. Louis, Ill., will be raised 3 ft., to serve as a dyke for the protection of company's tracks from high water. J. Safford, I. C.; Engr., has conferred with Mayor Cook and W. J. Crocken, Cy. Engr., relative to division of cost of the work between city and railway company.

INDIANA.—City of Indianapolis will order the railroad companies to elevate their tracks at West St. and Kentucky Ave. and Missouri St. Under the new law the city can order the tracks elevated in the city at the rate of cost of $400,000 each year. The resolution calling for the elevation of tracks will be introduced by the Board of Works in a manner as a street improvement resolution, it is said, and the railroad companies may suggest modifications to the original resolution. B. J. T. Jeup is Cy. Engr.

KANSAS CITY, MEXICO & ORIENT.—Contract has been awarded to JOHN P. HUGHES, of Fort Worth, Tex., to build an extension from Sweetwater to San Angelo, Tex., 90 miles, it is reported. J. A. Foley, Wichita, Kan., is Supt. M. P. Paret is Ch. Engr., Kansas City, Mo.

LINCOLN, SAN FRANCISCO & EASTERN.—We are informed by C. L. Wilson, Pres. of this company, Nevada Block, San Francisco, Cal., that the length of the railway will be 80 miles. It will be a broad-gage steam road, commencing at Vernon Landing, in Sutter County, Cal., on the Sacramento River, running north ten miles along the east bank of the Feather River to Nicholaus. Thence east, 16 miles, to Lincoln, in Placer County, and north 20 miles to Spenceville, in Nevada County, northeast ten miles to Rough and Ready, east eight miles to Grass Valley, and northeast six miles to Nevada City, Cal., with about ten miles of spur tracks and switches to connect the different mines with the main road. Surveys have been made and right-of-way obtained for the entire distance. Capital for the construction has been promised. Contracts will probably be let this month for grading and construction work. There is about ten miles of grading constructed.

LIBERTY-WHITE.—This railway is said to have been sold to Capt. J. T. Jones, Pres. Gulf & Ship Island Ry. It extends from McComb City to Liberty, Miss., 42 miles. Capt. Jones proposes to extend the line to Columbia, about 36 miles. W. M. White, McComb City, Miss., is Gen. Mgr.

LOUISVILLE & NASHVILLE.—EDDINGTON, GRIFFITS & CO., of Knoxville, Tenn., who were awarded the contract for 17 miles of grade revision work on the line between Saxton and Corbin, Ky., as noted on April 20, have sublet the work to the following parties: KREIS BROS., of Knoxville, Tenn.; SILER & FOLEY, of Williamsburg; W. O. LIPSCOMB, of Roanoke, Va.; SMITH & BERRY, CHARLES TONY, BURGIN & CARSON and L. C. PETERS.

Company has let a contract to BORCHES, BOLT & KOON, of Knoxville, Tenn., for grading on Red River, Ky.

LOUISIANA & PINE BLUFF.—This company, which is building a steam road 20 miles long on which track has already been laid for three miles, has given a contract to S. R. NEAL, of Huttig, Ore., for the balance of the line.

MARQUETTE & SOUTHEASTERN.—McDONELL BROS. & CO., of Grand Rapids, Mich., have been awarded contract for an extension from Marquette to Big Bay, Mich., 24 miles. R. C. Young, Marquette, is Ch. Engr.

MISSISSIPPI SUGAR BELT.—This company has applied for a charter in Louisiana to build a railroad from a point on the Mississippi River above New Orleans to a point on the river below Baton Rouge, about 75 miles. Incorporators are Charles Godchaux, Edward Godchaux, Emile Godchaux, Edward Sarpy, Ferdinand E. Larue and Murphy J. Foster. It is announced by the Leon Godchaux Company, Ltd., of New Orleans, La., that Sugar Belt Railroad is organized to build from Reserve, 40 miles above New Orleans, to a point immediately above New Orleans. Contract for ten miles of rail and equipment has been let, it is said. Location is not yet decided.

MORGANFIELD & ATLANTA.—We are informed that surveys are now being made. Right-of-way is secured for this line, which will extend from Morganfield, Ky., to Providence, 30 miles. Contracts will be let soon. T. B. Young is Pres. and W. W. Olney, Ch. Engr., at Morganfield.

NATCHEZ & WESTERN.—This railroad is said to have been acquired by the Goulds, who will convert it into a standard-gage line and extend it to Ferriday, La. R. J. Yearwood, Vidalia, La., is Supt.

NORFOLK & PORTSMOUTH BELT LINE.—E. CROSS & SON, of Portsmouth, Va., have been given contract for trestle work on proposed spur extension down southern branch of Elizabeth River. Company will do its own construction work. M. K. King, Norfolk, Va., is Gen. Mgr. and Purchasing Agt.

OVERTON COUNTY (Tennessee Central).—This company desires to correspond with parties in regard to the construction of its railroad from Livingston, Tenn., to a connection with the Tennessee Central in Putnam County, a distance of 17 miles. The company has a guaranteed subsidy of $75,000, which it will transfer, and will also give first mortgage on its properties to reliable parties to secure construction of the road. Profiles and estimate of cost, which is placed at $120,000, are on file at office of E. C. Knight, Gen. Counsel and Treas., Livingston, Tenn. Noted on Jan. 12.

ST. LOUIS, BROWNSVILLE & MEXICO.—JOHNSTON BROS., of Houston, Tex., have been awarded contract for extension to Alvin from Bay City, Tex. JOHNSTON BROS. have contract for another section of this railway upon which they are now working. W. P. Homan, Corpus Christi, Tex., is Ch. Engr.

ST. LOUIS & SAN FRANCISCO.—Pres. L. S. Berg, of the New Orleans Terminal Co., has stated, according to newspaper announcement, that the 'Frisco system will spend over $10,000,000 on its terminals at New Orleans, in addition to $5,000,000 already expended. J. F. Hinckley, St. Louis, Mo., is Ch. Engr.

SACRAMENTO SOUTHERN.—This company has incorporated at San Francisco, Cal., with capital of $3,000,000 to build from Sacramento to Stockton, with branch lines beginning at Walnut Grove and running in a southwesterly direction to Antioch. The directors of the new company are I. W. Hellman, Jr., Charles Holbrook, J. M. Israel, John C. Kirkpatrick and C. A. Sharp. The articles of incorporation state that $100,000 of the capital stock has already been subscribed. The Southern Pacific Co. has long held right-of-way along the route mentioned. Announcement has been made at the railroad offices that work will begin within a few months.

SALEM, FALLS CITY & WESTERN.—We are advised that construction of proposed extension will be undertaken by the company's forces. It is indefinite as to when line will be built. It will run from Dallas to Salem, Ore. Louis Gerlinger, Jr., is Gen. Mgr., Dallas, Ore. Previously noted.

SAN DIEGO, IMPERIAL VALLEY & EASTERN.—G. W. Marston, Pres., San Diego, Cal., informs us that surveys have been made over proposed route, from San Diego to Yuma, Ariz., 200 miles. Right-of-way over large part of line is secured. Capital is not secured. L. L. Boone is Secy.

SPOKANE & BRITISH COLUMBIA.—G. B. Jenkinson, vice-Pres., states that this line is to be extended into Spokane, Wash., at once. Plans and specifications are to be ready June 1. One contract will be let for the proposed 140 mile extension. See item noted on April 27.

SOUTHERN INDIANA.—KINSER & CO., of Terre Haute, Ind., have contract for first 20 miles of the Indianapolis division. KINSER & CO. have contract for Chicago division which is now being built. F. W. Ranno is Engr. M. W., at Terre Haute. This contract was noted, erroneously, last week under Southern Ry.

SOUTHERN PACIFIC.—It is announced that plans have been approved for improving company's lines in Oregon this year at cost of $1,452,760. W. Hood, San Francisco, Cal., is Ch. Engr.

TEXAS.—The Grigsby, Stegar & Atkinson Construction Co. has been organized at Bonham, with a capital stock of $100,000, for the purpose of constructing railroads and railroad bridges. The incorporators are J. M. Grigsby, of Dallas; D. J. Grigsby, of Jefferson; Ed. Stegar, J. M. Russel, and C. N. Atkinson, of Bonham.

WILDMAN CENTRAL & WICHITA MOUNTAIN.—Incorporated in Oklahoma to build a railroad from Wildman through the mining districts of the Wichita Mountains. Capital stock, $200,000. Incorporators: E. M. Tucker, of Dallas, Tex.; R. Burdge, of Fort Worth; George Ray, of Wildman; E. E. Moulder, of Lawton, Okla.; E. A. Williams, of Roosevelt; and F. R. Wildman, of Blair.

WISCONSIN.—An ordinance before Milwaukee City Council provides for elevation of all tracks of the Chicago, Milwaukee & St. Paul Ry. and Chicago & Northwestern Ry. companies on south side of city within five years. C. J. Poetsch is Cy. Engr., of Milwaukee.

YAZOO & MISSISSIPPI VALLEY (Illinois Central).—M. J. ROACH, Scimitar Bldg., Memphis, Tenn., are said to have contract for grading line from Silver City to Valley Park, 45 miles. It is probable that grading sub-contracts may be let. D. J. Brumley, principal Asst. Engr., Chicago, is Engr.-in-Charge. W. W. Hayden, Memphis, Tenn., is Asst. Engr.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

FITCHBURG, MASS.—The company controlling the recently consolidated Fitchburg & Leominster St. Ry. Co. and the Leominster, Shirley & Ayer St. Ry. Co., will build a continuation of the latter line to Cambridge from Ayer. It will be about 28 miles long, probably double-tracked, passing through Littleton, Acton, Concord, Lincoln, Lexington and Belmont. C. F. Baker is Secy., and W. W. Sargent, Supt. and Gen. Mgr., of Consolidated Company, at Fitchburg.

HARTFORD, CONN.—The House of Representatives has passed a resolution extending for two years the time for the construction of a trolley line by the Willimantic & Southbridge Street Ry. Co. The company has franchise to build an electric road from Willimantic, Conn., to Southbridge, Mass. The House also passed a measure amending the charter of the Rockville, Broad Brook & East Windsor Street Ry. Co. Under the amendment the company is authorized to make its western terminus at Warehouse Point instead of at Covell's Corner, about two miles south of that place. The road will form a junction with the Hartford & Springfield Street Railway Co. The two corporations will be closely identified, it is said.

EAST HAMPTON, CONN.—Ransom & Hoadley, Engrs., of Providence, R. I., have completed a survey for an electric railway from Moodus to East Hampton. It is estimated that the line will be about ten miles long, and will cost $175,000.

ROME, N. Y.—DeWitt C. Hadcock, of Oneida, is promoting plan to build an electric railway to Oneida. A company will be incorporated under the name of the Rome & Oneida Electric Ry. Line will be 13 miles long. Capital stock will be $130,000. Board of Directors will be: DeWitt C. Hadcock, Oneida; Louis Mittenmaier, Jr., Rome; Willard Soper, Verona; George Maycock, Verona; Albert R. Kessinger, James A. Bailey, Dr. Charles F. Bernstein, of Rome; John Hadcock, 339 Broadway, New York; Michael J. Larkin, Rome.

ATLANTA, N. Y.—George H. Switzer, of Bath, N. Y., informs us that surveys are being run for the 11-mile electric line for which he was recently granted franchises and right-of-way in villages through which the railway will run. Preliminary work will be rushed. A company is not yet incorporated to operate the road. Noted fully on April 20.

ROCHESTER, N. Y.—[illegible] cuse & Eastern Ry. Co. [illegible] tract for the construction work between Rochester, Spra[illegible] awarded the con[illegible] of the overhead [illegible] Lyons to J. G. [illegible] ny has the con[illegible] between these [illegible] roadbed between [illegible] us H. Mather.

LANCASTER, PA.—W[illegible] the Conestoga Traction [illegible] miles of trolley line in [illegible] summer. Work will b[illegible] weeks. 14 miles of li[illegible] Lancaster to Mt. Joy [illegible] Lancaster to Christiana [illegible] will do its own grading [illegible] let for bridges, all maso[illegible] ing and bids will be r[illegible] Titzel, Supt.

PATTON, PA.—We are [illegible] Hess, Clearfield, Pa., Ch[illegible] Cambria St. Ry. Co., th[illegible] CO., Times Bldg., Pit[illegible] awarded contract for bu[illegible] tric railway. Location su[illegible] right-of-way purchased. The line will run throu[illegible] town, St. Benedict, Spangl[illegible] W. H. Denlinger, Patton, [illegible]

YORK, PA.—The York C[illegible] will extend the Red Line [illegible] from its present termin[illegible] to the Susquehanna River, [illegible] miles. A. H. Hayward is [illegible] Mgr.

SAYRE, PA.—Council h[illegible] chise through borough to th[illegible] ley Traction Co., which will [illegible] way in this section under [illegible] Sayre & South Waverly R[illegible] Co. The Chemung Valley Co[illegible] Elmira, N. Y., to Waverly.

NEW CASTLE, PA.—The [illegible] sylvania Motor Power Co. has been organized in Pittsburg to construct a system of interurban trolley lines throughout Lawrence, Butler, Mercer and Beaver counties. The incorporators are Alexander J. Barron, William G. Doolittle, Charles E. Martin, Edward L. Allen and Ralph L. Smith, of Pittsburg.

AMBRIDGE, PA.—The Ambridge & Borough Street Ry. Co. has been chartered to build a 1½-mile railway in Ambridge. Capital, $3,000. James S. Campbell is Pres.

DUQUESNE, PA.—The Duquesne & Lincoln Place Railway Co. has been granted a charter to build four miles of trolley from Lincoln Place to Duquesne. J. C. Lange, of Pittsburg, is Pres. Capital, $25,000.

BIG STONE GAP, VA.—A survey has been made for an electric railway from Big Stone Gap to Appalachia, three miles. Extensions may be built to make about 35 miles of line. Gen. R. A. Ayers, of Big Stone Gap, is interested.

WHEELING, W. VA.—The Wheeling Traction Co. will build an extension from Martins Ferry to Brilliant, O. George O. Nagle is Gen. Mgr.

CHARLOTTE, N. C.—James D. Patton and M. M. Martin, of Richmond, Va., and others will organize a $500,000 company, it is reported, to build suburban electric lines between Charlotte and Concord, a distance of 24 miles, and Charlotte and Gastonia, a distance of 22 miles.

RALEIGH, N. C.—We are informed by John D. Twiggs, Ch. Engr., Augusta, Ga., that surveys probably will be made at an early date for the Raleigh & Durham Passenger & Power Co.'s line between Raleigh and Durham. Preliminary investigations are now in progress. The line will be 26 miles long. B. S. Jerman, Raleigh, is Pres.

ATLANTA, GA.—Application will soon be made for a charter for the Atlanta-Macon Interurban Railway Co., to build an electric railway from Atlanta to Macon. The proposed line will be built by the ATLANTA CONSTRUCTION CO. It will run through East Point, Hapeville, Jonesboro, Hampton, Griffin, Barnesville, and Forsyth. Capital, $2,000,000. Charles J. Canfield, of Chicago, Ill.; Chas. W. Swigart, of Manistee, Mich.; Grafton Johnson, J. Albert Johnson and William F. Wecher, of Indianapolis; Jack Brown, of Illinois, and T. B. Felder, Jr., of Atlanta, are interested in company's incorporation.

EUSTIS, FLA.—We are informed that John S. Lane has been granted a franchise to build an electric railway here.

ALEXANDRIA, LA.—G. U. Borde, New Orleans, Ch. Engr., Alexandria St. Ry. Co., writes us that franchise will be granted to this company on May 14, to build a 4-mile electric line in Alexandria and suburbs. Capital is secured, and contracts will be let about May 26. J. G. Bush, New Orleans, is Pres.

UNION CITY, TENN.—We are informed by John Walker, Mayor, that a bonus and $100,000 was offered here to contractors to build an electric railway from Paducah Junction, via Union City, to Tipton. Contractors went to New York to make arrangements for construction, but no definite report or details have yet been submitted to city.

MARION, O.—We are informed by T. A. Gruber, Caledonia, O., that company is doing its own construction work on proposed 21-mile line for the Marion & Bucyrus Ry. & Light Co. The railway will extend from Marion to Bucyrus, by way of Caledonia, Mortel, Iberia and Galion. Right-of-way to Caledonia has been secured, and survey made to this point. About a mile of the road is graded, and ties and steel laid for ½ mile. Work is progressing slowly. Capital is in part secured. Ellis Bartholemew of Caledonia, is Pres.

CLEVELAND, O.—An ordinance before council providing that the Board of Public Service be authorized to expend a sum not to exceed $12,000 in constructing a railway track from Kinsman St. to the Warrensville Infirmary farm, together with the necessary drainage, bridging and other equipment.

TIFFIN, O.—We are advised that John S. Harshman, of Springfield, O., is interested in plan to obtain the property of the Tiffin Electric Ry. & Power Co., which is to be com-

pleted to Fre... It was partly graded and then abando... This company controls Riverview Pa... J. F. Bunn is Secy., at Tiffin.

BRYAN, O... The Toledo & Indiana Ry. Co. will build a ... mile branch from Bryan to Fort Wayne Co., Nasby ... The Riggs & Sherman has been do... Toledo, is Engr. Nothing of construct... yet, we are informed, in way

ZANESVI... O.—The Muskingum, Coshocton & T... rawas Electric Ry. Co. has been grante... franchise by county commissioners to l... an electric railway. Work of construction ... to be begun by May, 1907, and completed ... September, 1908.

FULTON ...ND.—Liberty Township, Fulton County, ... voted in favor of a subsidy of $10,500 ... the Indianapolis, Logansport & South Ben... raction line. The railway is to be built f... Logansport to South Bend.

GOSHEN ...ND.—The Indiana Central Traction Co. ... been voted a subsidy of $5,000 by Jacks... Township, Kosciusko County. Work ha... n begun on the proposed line from Wal... to Warsaw. V. J. Drayer is promoting ... project.

RICHM... IND.—Fred. J. Carr, of Toledo, O., repre... g the Ohio & Indiana Traction Co., whi... oposes to build and operate an electric li... om Hamilton, O., to Richmond, is now e... ng the right-of-way. It is reported th... the company has succeeded in ... project and that actual construction ... will begin before the middle of June. Th... route as laid out will take in the towns of ... vernmile, Darrtown, Oxford, College Corn... Cottage Grove and Richmond. The distan... is about 45 miles.

GAS CITY, IND.—Frank W. White, C. E., of Marion, Ind., will run a survey for an interurban line between Gas City and Hartford City. William B. Dodds, of Marion, and his associates were granted a franchise by council at Upland, Ind., for the proposed Marion, Hartford City and Union City electric railway.

SARANAC, MICH.—The Grand Rapids, Belding & Greenville Railroad Co. has been incorporated in Michigan, with a capital stock of $800,000, for the purpose of building an electric railway line from Saranac to Greenville, about 19 miles. The directors are: John T. Rich, J. L. Hudson, Edward Holmes, John P. Hopkins and E. M. Hopkins, of Detroit; C. H. Pomeroy, Saginaw; Frank Wescott, Vernon, and M. D. Sly, Romeo.

CHAMPAIGN, ILL.—The Chicago, Kankakee & Champaign Ry. Co. has been incorporated in Illinois to build an electric railway from Champaign in a northerly direction through the counties of Champaign, Iroquois and Kankakee to Kankakee, and in a northeasterly direction through the counties of Will and Cook, to Chicago. The incorporators and first board of directors are E. D. Risser and R. A. McCracken, of Paxton, Ill.; Upton Schaub, of Watseka, Ill., and C. V. Donovan, C. C. Patton and W. J. Boot, of Chicago. Capital stock is $100,000.

CHICAGO, ILL.—Bids are asked until about July 1 by the Controller of the city of Chicago for the construction of a system of municipal street railways in the city of Chicago.

DES MOINES, IA.—We are informed by Commercial Club that company is being formed to promote an electric railway from Des Moines to Creston, Ia., via Valley Junction, Winterset, Macksburg and Spaulding, 72 miles. Capital stock is partly subscribed. "The enterprise is so feasible and practical, and the territory so inviting, that apparently there is no doubt but that the road will be built." A. E. Parks, of Chicago, is mentioned in news report as probable backer.

OSKALOOSA, IA.—At a mass meeting held here $100,000 was subscribed toward building an interurban from Oskaloosa to Buxton. R. D. Francis, of St. Louis, Mo., is interested. A company with $700,000 capital will be organized to carry out the scheme.

MINNEAPOLIS, MINN.—The War Department has granted a revocable license to the Twin City Rapid Transit Co. to extend its line into Fort Snelling grounds. D. W. Dozier is Ch. Engr.

MANKATO, MINN.—The Mankato & St. Peter Ry. & Lighting Co. has been granted franchises to build from Mankato to St. Peter. C. N. Andrews, W. G. Hoerr, H. E. Hance and Fred. Kron, of Mankato are incorporators.

TOPEKA, KAN.—John McDaniels, of Bonner Springs, Pres. of the Kansas City, Bonner Springs & Topeka Electric Ry., has arranged with the Trust Company of America, 149 Broadway, New York, to secure necessary funds for building this road from Bethel to Kansas City, Kan. Grading has been completed from Bethel to Bonner Springs. Park Williamson, Edwardsville, Kan., is Ch. Engr.

OMAHA, NEB.—The Omaha St. Ry. Co. will build an extension to Forest Lawn cemetery this summer. W. A. Smith is Gen. Mgr.

SAN MARCOS, TEX.—The San Marcos Valley Interurban Ry. Co. has applied for a charter to construct an electric railway from San Marcos to Luling, 24 miles. Surveys are in progress. Power will be obtained from the San Marcos River. Capital stock is $500,000. A. T. Fisher, of Boston, Mass., is Pres.; B. G. Neighbors, of San Marcos, is Secy. and Treas. Noted on April 27.

GALVESTON, TEX.—The Galvestop Electric Co. has been chartered, with $2,000,000 capital, by Stone & Webster and associates, 84 State St., Boston. The company will build an interurban line between Galveston and Houston. The Stone & Webster syndicate control street railway system in Dallas. A. V. Smith, Dallas, is Engr.

PORTLAND, ORE.—THE ATLAS CONTRACT & SUPPLY CO., of San Francisco, Cal., has been awarded a contract amounting to about $200,000 for the construction of 3½ miles of double-track electric railway for the Oregon Traction Co. Contracts have not been closed for the remainder of the projected 26-mile line to Forest Grove. Edward Records is Mgr. Supply Co.

LEWISTON, IDAHO.—E. H. Libby, Chn. Bd. Trustees of Subscription Fund, writes us that 80% of right-of-way is secured and surveys completed for a 110-miles electric railway. The line will run from Lewiston, by way of Clarkston to Grangeville and to Nez Perce. Steamboats will be operated in connection with the railway to connect with Portland, Ore., seaport. $3,000,000 of stock or second mortgage bonds is being subscribed by citizens and balance is to be raised on first mortgage bonds. The project is undertaken by the Commercial Club of Lewiston.

PAYETTE, IDAHO.—William and Sinclair Mainland have been granted franchises for gas plant, electric plant and electric railway. Work on light plant "must begin within 12 months; cars must be running on railways within 18 months; gas plant to be commenced when city can show population of 5,000 and must be completed within 20 months thereafter."

SALT LAKE CITY, UTAH.—Samuel Bamberger, Pres. Salt Lake & Ogden Ry. Co., has accepted a 100-year franchise in Ogden to operate railway lines on certain streets.

HAMILTON, ONT.—E. B. Wingate, C. E., has been appointed to make a survey for the Hamilton, Ancaster & Brantford Ry. Hon. Charles D. Haines is the reported promoter.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

FALL RIVER, MASS.—Capital stock of Fall River Electric Light Co. is to be increased from $350,000 to $600,000 to provide for cost of constructing a generating plant on company's wharf and for extending system. Harry Bottomley is Supt.

CENTRAL FALLS, R. I.—Wm. H. Goldsmith, Clk. Lighting Com., states that city may construct a municipal heat, light and power plant, with capacity of 185 arc lights and 500 incandescent lights. Noted on April 6th.

OSSINING, N. Y.—The Northern Westchester Lighting Co., of Ossining, has been incorporated to supply gas and electricity for light, heat and power purposes. The capital stock is $1,000,000. Directors are: William J. Bagnell, Louis B. Grant, James H. Hagarty, of Brooklyn; Charles T. Lark and Ashley T. Cole, of New York, and Alexander Keogh, New Rochelle.

RUTHERFORD, N. J.—A municipal lighting plant is under consideration by council.

KEARNY, N. J.—The plans and specifications of Runyon & Carey Electrical and Mechanical Engrs., Newark, N. J., for the municipal electric lighting plant for this place were formally approved by the town council on May 10. Steps will be taken to finance the undertaking.

HIGHLANDS, N. J.—The borough council has engaged Runyon & Carey, Electrical and Mechanical Engrs., Newark, N. J., to prepare plans and specifications for the installation of a water and electric lighting plant for the borough. The cost of plant will be about $25,000. Bids will be invited through the columns of Engineering News.

PHILADELPHIA, PA.—The Philadelphia Rapid Transit Co. has invited bids for a power-house at 58th St. and Woodland Ave. W. S. Twining, 820 Dauphin St., is Engr.

YORK, PA.—The Hillside Water and Power Co. and the Susquehanna Water and Power Co. are merged into the McCall's Water and Power Co. The new company will install a power and electric plant at McCall's Ferry, on the Susquehanna River.

WILKESBARRE, PA.—The Wilkesbarre Gas & Electric Light Co. will spend $400,000 in improvements on plants. Plans for work are said to be prepared.

WILMINGTON, DEL.—The Wilmington Electric Light & Power Co. has applied for a franchise to use city streets. Charles C. Kurtz is Pres. William F. Kurtz is Atty.

ASHLAND, VA.—C. W. Crew, Mayor, informs us that bids will be received probably about May 23 for an electric light and power plant for city. Noted on May 4.

NEWMARKET, VA.—Rice Snapp informs us that he will receive estimates on wire and fixtures for an electric plant. As noted last week, Mr. Snapp has been given franchise for a plant, estimated cost of which is $3,000. C. M. Lucas, Baltimore, Md., Dist. Mgr. for Bullock Elec. Mfg. Co., is Designing Engr.

HARRISVILLE, W. VA.—The Harrisville Heat & Light Co. has been chartered, with a capital stock of $10,000. Incorporators are Robert M. Campbell, of Pittsburg; B. W. Peebles, Bert Adams and Harvey Marsh, of Harrisville.

PELHAM, GA.—An electric light plant will be erected here by W. R. McClain, W. H. Manry and H. L. Turner.

EUSTIS, FLA.—We are informed that E. L. Ferran & Co. have been granted franchise to construct water-works and electric light plant.

TUSCUMBIA, ALA.—The Mussel Shoals Electric Co., with $10,000 capital, has been chartered here to erect an electrical plant to utilize the water power of the Tennessee River at Mussel Shoals, near Florence. The incorporators are: Thomas H. Jackson, of Memphis, Tenn.; Oakley H. Bynum and John H. Harris, of Courtland, Ala.; Ellen H. Jackson, of Birmingham, Ala.; Mary J. Winston and James Jackson, of Tuscumbia, and others. The officers of the company are: Thos. H. Jackson, Pres.; James Jackson, vice-Pres., and John H. Harris, Secy. and Treas.

HARRIMAN, TENN.—H. A. Coles, of Atlanta, Ga., is reported to have prepared estimates for a new electric light plant for Harriman. Estimated cost, $40,000.

SHELBYVILLE, TENN.—We are informed that bids are asked until June 6 by Light Committee for furnishing 20 or more 2,000 c. p. enclosed arc lights for street lighting purposes, prices to be based on a contract period of ten years with franchise for commercial lighting at prices to be proposed by bidder.

Granbery Jackson, C. E., Nashville, has been employed to report on proposed municipal water and light plant. City was authorized by legislature to issue $40,000 of bonds for these improvements.

MEMPHIS, TENN.—Jerome P. Parker, William Bergschicker and B. R. Henderson have been appointed by Mayor as Commissioners to consider plans for light plant.

CINCINNATI, O.—The Cincinnati Gas & Electric Co. will erect a 1-story retort house on Front and Park Sts., to cost about $75,000. It will be of steel and brick construction.

HAMILTON, O.—It is stated that the Hamilton Gas & Electric Co. will expend about $500,000 in improving the plants recently acquired through a merger of the Hamilton-Otto Coke Co., the Hamilton Electric Light Co. and the Hamilton Gas & Coke Co.

LAFAYETTE, IND.—The contract for reconstructing the power-house and heating plant at State Soldiers' Home has been awarded to the LANE & PYKE CO., of Lafayette, at $35,000.

INDIANAPOLIS, IND.—The Board of Public Works will receive bids until May 15, it is reported, for naphtha and gas incandescent street lights to be operated on all-night schedule for outside districts.

CONNERSVILLE, IND.—It is reported that the Connersville Light, Heat & Power Co., recently incorporated, will expend about $25,000 in improvements. Company has capital stock of $100,000. R. Neil Burgess, L. O. Burgess and W. E. Lowe are incorporators.

FRANKFORT, IND.—The Indiana Hydraulic Co. has been organized, with Eugene Rush, Pres., and N. W. Hanna, Secy., both of Frankfort. The company will be incorporated with a capital of $2,000,000 and will manufacture electricity. Power will be developed at Wildcat Creek. A dam 30 ft. high and 368 ft. long, of solid cement, will be constructed.

MONTICELLO, IND.—The Tippecanoe Hydraulic Co. has been incorporated to utilize the water power of Tippecanoe River. Capital, $800,000. It is proposed to construct four power dams, one at Norway, another at Tioga, another at Oakdale and the fourth at Springboro. Work is about to begin at the plant at Norway, which will cost about $195,000. The company proposes furnishing power to Lafayette, Logansport and Frankfort. A. A. McKain, 1724 North Alabama St., Indianapolis, is Pres.; C. D. Meeker and D. W. Thompson, Jr., of Frankfort, are interested.

MENOMINEE, MICH.—William Holmes and others of this city are forming a $50,000 company to develop power at Grand Rapids on the Menominee River, which will be transmitted to Menominee and Marinette, Wis. We are informed by Mr. Holmes that nothing has been done in the matter yet.

MARINE CITY, MICH.—A 30-year gas franchise has been given to C. H. Lord. The plant will be erected this summer.

WAUTOMA, WIS.—An election will be held on May 11 to vote on issuance of bonds for a municipal lighting plant.

MELROSE, MINN.—City has voted for municipal ownership of light and water plant. Est. cost, $30,000. Bonds will be issued.

KANSAS CITY, MO.—The city council has granted a 30-year franchise to Hugh McGowan of Indianapolis, and associates, to lay pipes and sell natural gas in Kansas City. Gas will be piped from the Kansas fields.

EL PASO, TEX.—A new power-house is to be constructed here by the International Water Co. D. H. Whitmer is Engr. of the company.

WYNNEWOOD, I. T.—The city has granted a franchise to S. E. Hutchins, of Whitehall, Wis., to establish an electric light plant.

DENVER, COLO.—Alderman Charles W. Cochran is interested in project to take over Lacombe Electric Co.'s plant and run it under municipal control. John Braunan is Supt. of plant.

PROSSER, WASH.—President E. F. Benzon, of the Prosser Falls Land & Power Co., has appropriated water from Columbia River, to be diverted at Priest Rapids, for generation of electric power.

BODIE, CAL.—W. A. R. Loose, Gen. Mgr. of Field of Gold Mining Co., will erect a power plant on Walker River. A flume three miles long, containing 2,000,000 ft. of lumber, will be built.

VENTURA, CAL.—City has voted for municipal ownership of light and water. Bonds will be issued as follows: Water bonds, $100,000; electric light bonds, $25,000 and $10,000 bonds for storm sewers.

SAN FRANCISCO, CAL.—W. W. Van Arsdale, Gen. Mgr., Crocker Bldg., San Francisco, informs us that bids will be received this month for a power plant on Eel River for the Eel River Power & Irrigation Co. W. Q. Wright, Crossley Bldg., is Engr. It is estimated that 30,000 HP. will be developed. Cost, about $500,000. No contract is to be let at present. Plant will consist of concrete dam 90 ft. high and 300 ft. long, also tunnel 6,000 ft. and drop of 450 ft. from tunnel to power-house which will be 3,000 ft. distant. There will be needed 76 miles of pole line, with all necessary wheels, generators, transformers.

WINNIPEG, MAN.—The Winnipeg & Selkirk St. Ry. Co. will build a power house this year, it is said, and equip its lines with electricity. It is also the intention of the company to build several extensions. Hunter & Cooper, Nanton Blk., may be addressed.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

ST. JOHNSBURY, VT.—H. H. Carr, Chn. Bd. of Selectmen, writes us that the UNITED CONSTRUCTION CO., of Albany, N. Y., was awarded contract May 2 for constructing steel bridge at Portland St., for $12,000.

EAST BERKSHIRE, VT.—The town voted to build bridge across Missequoi River as soon as practicable. The bridge is to be of steel, 166 ft. long and 18 ft. wide with 5-ft. sidewalks. Address Board of Selectmen.

LENOX, MASS.—Bids are asked by Board of Selectmen until May 20, 3 p. m., for building superstructure of a riveted truss bridge over Housatonic River. Henry L. Norton, Engr., 33 Lyman St., Springfield, Mass.

TIVERTON, R. I.—Augustus Smith, 30 Cortlandt St., New York, who was recently awarded contract for bascule bridge here, will soon ask for bids for steel for this work, also for machinery to be used in connection with draw, which will be electrically driven.

MIDDLETOWN, N. Y.—Bids are asked until May 15 for tearing out of west abutment of Pellet Island bridge and the rebuilding of a new stone pier on pile foundation. Chas. H. Smith, County Engr. (Advertised, Engineering News.)

ROME, N. Y.—The House passed a bill providing for an appropriation of $20,000 to construct a bridge over canal at South Washington St.

JERSEY CITY, N. J.—We are informed that the contract for constructing highway bridge at Ogden Ave. was awarded May 4 to F. M. STILLMAN & CO., 26 Exchange Pl., Jersey City, for $7,848.

NEWARK, N. J.—The following bids were received by Park Commissioners May 2 for completion of bridge in Branch Brook Park: Harrison Const. Co., $6,172; T. A. O'Conner, $5,654; J. M. Skillman & Co., $5,621; Essex County Const. Co., $5,352.

FRANKLIN, PA.—Propositions are desired by Lake Shore & Michigan Southern R. R. Co. for construction of bridge No. 309, Franklin Division, over French Creek at Franklin. The bridge consists of six single-track deck plate girder spans of about 63 ft. and one through plate girder span 83 ft. long. Cost, about $25,000. E. A. Handy, Engr., Cleveland.

WEST NEWTON, PA.—We are informed that bids will be received until May 25 by County Commissioners, Greensburg, Pa., for construction of steel highway bridge at Main St., West Newton. There will be three spans, 160 ft. c. to c., buckle plate floor and brick paving. It is stated the bridge will cost about $65,000.

CATASAUQUA, PA.—It is stated that the Commissioners of Lehigh County will soon receive bids for constructing an overhead bridge at Front and Pine Sts., to connect with West Catasauqua. The structure to be 1,100 ft. long and cost about $80,000.

HARRISBURG, PA.—A contract is reported let to ENOS L. SEEDS, of Philadelphia, for building connecting bridge between the Pennsylvania and Philadelphia & Reading stations at this place, to consist of a structure 300 ft. long, with a covered bridge 75 ft. long, over the tracks between the two stations.

WASHINGTON, D. C.—Bids were opened by the District Commissioners May 1 for constructing steel bridge at 11th St., the bids being as follows: (1) bridge complete A-1; (2) bridge complete, A-2; (3) superstructure bid, B; (4) superstructure, C-1; (5) superstructure, C-2; (6) alternate design, D-1; (7) alternate design, D-2; Penn Bridge Co., Beaver Falls, Pa., (1) $319,100, (2) $320,300, (4) $141,400, (5) $20,300; King Bridge Co., Cleveland O., (4) $169,900, (5) $21,000; McClintic-Marshall Construction Co., Pottstown, Pa., (4) $190,000, (5) $18,050; Pennsylvania Steel Co., Steelton, Pa., (1) $353,000, (2) $25,000, (3) $180,000, (4) $173,000, (5) $25,000, (6) $348,000, (7) $25,000; George W. Catt, Park Row Bldg., New York, (1) $342,000, (2) $21,000; McMullen & McDermott, Potomac Flats, Washington, D. C., (1) $338,200, (2) $18,240, (3) $178,700, (4) $159,500, (5), $18,250. The division of the bids into two parts, with the exception of the substructure bid, is on account of the fact that the railroad company is required to pay for the paving between lines drawn 2 ft. exterior to the exterior rails of their tracks, and also for the entire floor system which supports the said pavement between these lines. The amount available for the completed structure is about $368,000. This amount includes the approaches, which are not included in the foregoing bids.

SALEM, VA.—Bids are asked by County Commissioners until May 13 for building new iron bridge on Carven's Creek on Hollins Road. A complete set of plans and specifications must be filed with bid.

COLUMBIA, S. C.—New bridges will be erected by Columbia Bridge Co. and Broad River Bridge Co. J. J. Cain and T. H. Ryan & Co. are the contractors, and C. Carlson, engineer.

ST. AUGUSTINE, FLA.—Survey is being made for a new bridge across Matanzas River, to connect this city and Anastasia Island. Albert Lewis, a millionaire of St. Augustine, will build the bridge.

LOUISA, KY.—The WEST VIRGINIA BRIDGE CO., of Wheeling, W. Va., will erect a bridge here across Big Sandy River. Cost, $39,300.

BRYAN, O.—We are informed that the County Commissioners awarded to the WESTERN RESERVE CONSTRUCTION CO., of Medina, O., the contract for three bridges and one substructure, at a total cost of $3,663; and to the BROOKVILLE (O.) BRIDGE WORKS, the contract for two substructures at $1,343 and $1,129, respectively. Geo. E. Morris, County Audr.

CLEVELAND, O.—It is stated that bids will be received by Board Public Service until May 16 for constructing steel arch bridge in Edgewater Park.

DAYTON, O.—Bids are asked by the Board of Public Service until June 6 for the construction of a concrete-steel bridge across the Great Miami River. Wm. F. Miller, Clk.; F. M. Turner, Engr.; Louis Haas, Pres. Plans may be seen after May 22d at the office of Engineering News, 220 Broadway, New York. (Advertised, Engineering News.)

PEMBERVILLE, O.—Pemberville is to have a new bridge crossing the Portage, in the East End, near the intersection of Front and Towne Sts. Work will be begun immediately.

TOLEDO, O.—Bids are asked by County Commissioners until May 23 for construction of one stone or concrete culvert under Stone Road No. 34. D. T. Davies, Jr., County Audr.

ZANESVILLE, O.—It is stated that bids will be received until May 25 by County Commissioners for constructing supe structure of highway bridge in Salt Creek Township, over Little Salt Creek, to consist of one span, 100 ft. in length, and roadway 14 ft.; proposals must be accompanied by plans and specifications. L. E. Brelsford, County Audr.

CLEVELAND, O.—Bids are asked by Board Public Service until May 16, noon, for building a concrete-steel arch bridge in Edgewater Park. A. R. Callow, Secy.

FRANKLIN, IND.—The Commissioners of Johnson County have awarded bridge contracts as follows: Four bridges to ALBERT MIEKLE, of Indianapolis, and superstructure for same, ALBERT HARMON, of Columbus. Mr. Harmon also received contract for three concrete arches.

PERU, IND.—County Commissioners have let contract to NATIONAL BRIDGE CO., of Indianapolis, to construct a concrete bridge over Wabash River, for $37,950.

VINCENNES, IND.—We are informed that the Vincennes Bridge Co. was the lowest bidder, at $2,110, for constructing six steel bridges in county. J. T. Scott, County Audr.

FORT WAYNE, IND.—County Council appropriated $17,000 for the rebuilding of Maumee River bridge destroyed by fire at Bull Rapids. J. L. Smith, County Audr.

CONSTANTINE, MICH. — Contract for building new bridge across St. Joseph River, connecting the two divisions of the main street, was let to ELKHART BRIDGE & IRON CO. The bridge is to be a low truss, with three spans of 77 ft. each, and will cost $13,377. The roadway will be 22 ft. and each of the two sidewalks 5 ft.

BUFFALO, MINN.—Bids are asked by County Commissioners until May 23 for construction of a steel bridge over Crow River. W. H. Marwin, Chn.

PARK RAPIDS, MINN.—It is stated that bids will be received by County Commissioners until May 15 for constructing a 56-ft. steel bridge.

NEW ROCKFORD, N. DAK.—Bids are asked by County Commissioners until May 22 for constructing three steel bridges in this county. W. C. Schwoebel, County Audr.

WEATHERFORD, TEX.—Two new steel bridges are to be constructed across Brazos River near this place. Each bridge will be about 800 ft. long. R. L. Stermis, County Judge, can give information.

HALLETTSVILLE, TEX.—Two iron bridges over Navidad River of this county, which were washed away by a recent flood, will probably be rebuilt. County Judge can inform.

PURCELL, IND. T.—The Purcell & Lexington Bridge Co. will begin work of rebuilding bridge across Canadian River about June 1. Cost, between $25,000 and $30,000.

AUBURN, WASH.—The INTERNATIONAL CONTRACT CO., of Seattle, has been awarded contract for a truss bridge of 122 ft. span at Auburn, together with 280-ft. approach.

TACOMA, WASH.—Bids are asked by County Commissioners until May 26 for construction of a pile trestle bridge across Wapato Creek and one across Clarks Creek. Plans and specifications may be seen at office of County Surveyor. I. M. Howell, County Audr.

WEAVERVILLE, CAL.—County Commissioners will probably let contract in July for bridge over Trinity River near Lowdens Ranch. R Carter, County Clk.

STOCKTON, CAL.—We are informed that the contract for constructing Grant Line Canal bridge (bids opened May 2) was awarded to CLARK & HENERY, of Stockton, for $21,590. The bridge will consist of one 231-ft. draw span and three fixed spans, 126 ft., 70 ft. and 60 ft., respectively, on cylinder piers.

EAST TORONTO, ONT.—The Toronto & York Radial Ry. Co. are negotiating for a franchise from the village and have agreed to build a bridge over the G. T. R. tracks at a cost of $8,000. W. H. Moore is Gen. Mgr., Toronto.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

SPRINGFIELD, MASS.—The City Library Association, Nathan D. Bill, Pres., has received a gift of $150,000 from Andrew Carnegie for the erection of a library building.

MARBLEHEAD, MASS.—The contract for new post-office building has been awarded to RICHARDSON & BURGESS for $42,688. Contract includes the installation of plumbing and heating systems, and electric wiring and conduits.

AMESBURY, MASS.—Bids are asked by James Knox Taylor, Supv. Arch., Washington, D. C., until June 8 for construction, complete, of U. S. post-office at Amesbury.

WORCESTER, MASS.—It is stated that a new Union station will be erected in Worcester by the Boston & Albany R. R. Co., at a cost of about $300,000.

HARTFORD, CONN.—Contract to erect municipal building was awarded by Public Building Committee to HERMAN PROBST, 10 West 22d St., New York, for $106,998.

NEW HAVEN, CONN.—Bids are asked by Board of Education, 87 Orange St., until May 19, 8 p. m., for construction complete, of a public school building at Orchard and Scranton Sts. *G. T. Hewlett, Secy.*

SYRACUSE, N. Y.—A bill has passed third reading in Senate appropriating $175,000 for an armory.

SYRACUSE, N. Y.—Andrew Carnegie has donated $150,000 to Syracuse University, Rev. J. R. Day, Pres., for the erection of a new library building.

NEW YORK, N. Y.—A 16-story fireproof building is to be erected at Nassau and John Sts. for the Hooker Co., N. K. Aston, Pres. Est. cost, $500,000.

Plans have been filed for a Carnegie library, to be erected at 121-27 East 58th St. Cost, $75,000. Babb, Cook & Willard are Archs., 3 West 29th St.

A. C. Hassell, Arch., 134 West 25th St., has plans in progress for a ten-story office building, 50 × 100 ft., to be built at 291 Seventh Ave. Engines, boilers, generators, motors, heating and ventilating systems, etc., will be installed.

Plans are being prepared by Milliken & Moeller, Archs., 7 West 38th St., New York, for a 12-story apartment house to cost $500,000, to be erected at Amsterdam Ave. and 73d St. An isolated plant will be installed, which will include engines, boilers, generators, motors, elevators, steel stack and heating system.

The Union Square Savings Bank, 20 Union Square, will erect a $150,000 bank and office building at Union Square and 16th St. Owners are considering an architect at the present time.

McKim, Mead & White, Archs., 160 Fifth Ave., are taking figures on general contract for loft building to be erected at 384 Fifth Ave., for Gorham Mfg. Co., of 889 Broadway. Brick, stone and steel, 8 stories, 30 × 125 ft. An isolated power plant will be installed, including engines, boilers, generators, motors, blowers and elevators. C. O. Mailloux, 76 William St., is Elec. Engr.; A. R. Wolff, 130 Fulton St., is Steam Engr.

McKim, Mead & White, Archs., have finished plans for "College Hall," a new building for Columbia University. Brick and stone, 5 stories, 70 × 200 ft. Will have a high pressure heating system and electric lighting.

BROOKLYN, N. Y.—D. R. Collins, 166 Montague St., is the architect for new terminal building for Brooklyn Rapid Transit Co., to be erected at Broadway and Gillen Place. Bids will soon be received by architect for general contract.

Ackerman & Partridge, Archs., 156 Fifth Ave., New York, are preparing plans for a $150,000 church to be erected in Brooklyn for 15th St. Baptist Church. Brick, 1-story, 100 × 150 ft. Will have low pressure heating system and electric lights, with a ventilating system.

NEW YORK, N. Y.—DONALD MITCHELL, 304 West 53d St., was awarded general contract for new building to be erected by American Radiator Co., at 104-8 West 42d St. Alex. Buel Trowbridge, 70 Wall St., is Arch.

UTICA, N. Y.—We are informed that the Board of Commissioners, care of S. M. Kindsley, Utica, is taking figures until May 16 on general contract for new courthouse for Utica. O. W. Cutter & Turner, 683 Atlantic Ave., are Archs. Brick and stone, 3 stories, 200 × 200 ft. A power plant will be installed, which will include boilers, engines, blowers, generators, motors, elevators, heating system, mail chutes, feed water heaters, elaborate plumbing apparatus and a steel stack. Cost, $700,000.

NEW YORK, N. Y.—F. C. Browne, Arch., 143 West 125th St., has started plans for new apartment hotel to be erected on West 71st St. Brick and stone, 14 stories, 60 × 140 ft. P. R. Moses, 35 Nassau St., is Consult. Engr. Power plant will be installed, and will include direct and indirect heating systems, steel stack, coal conveyors, engines, generators, motors, etc.

Ludlow & Valentine, Archs., 1 East 27th St., are taking figures on general contract for new church, 100 × 100 ft., to be erected at 115th St. and St. Nicholas Ave., for Northminster Presbyterian Church. A low pressure heating system will be installed with indirect radiation.

C. F. BOND, 136 Liberty St., was awarded contract for building new automobile garage at Broadway and 50th St., for Wendell estate. H. C. Hollwedel, 23 Union Sq., is Arch.

NEW YORK, N. Y.—ALFRED BEINHAUER, 289 Fourth Ave., was awarded contract for a warehouse to be erected at 130-4 East 12th St., for Ed. B. Bruch, 289 Fourth Ave. Brick, 7 stories, 50 × 100 ft. Renwick, Aspinwall & Tucker, 367 Fifth Ave., are Archs.

The church and vestry for St. Nicholas R. C. Church, to be erected at 34th St. and Ninth Ave., has been awarded to V. J. HEDDEN & SONS, of 1 Madison Ave.

Ernest Flagg, Arch., 35 Wall St., has completed plans for a residence to be erected at 52d St. and Fifth Ave., for F. G. Bounne, Pres. Singer Mfg. Co., 149 Broadway. Stone, 4 stories, 50 × 125 ft. Boilers, elevators, motors, blowers, heating and plumbing apparatus will be required.

Clinton & Russell, Archs., 32 Nassau St., have plans in progress for a six-story addition, 50 × 75 ft., to Mutual Life Insurance Co. Bldg., at 58 Cedar St. Boilers, engine, generators, motors, blowers, heating and plumbing apparatus will be installed.

ISAAC A. HOPPER & SON, 1170 Broadway, were awarded contract for a loft building, 11 stories, 70 × 90 ft., to be erected at Green St. and Waverly Place. Townsend, Steinle & Haskell, 29 East 19th St., are Archs.

The U. S. Government contemplates the erection of a hospital building on Ellis Island to cost $250,000. Architect has not yet been appointed, but is under consideration at this time.

Jos. Wolf, Arch., 1 West 34th St., is preparing plans for loft building to be erected at Franklin and Greenwich Sts. Brick and stone, 8 stories, 75 × 100 ft. Engines, generators, motors, boilers, elevators and heating system.

C. A. Boehm, Arch., 7 West 42d St., has plans in progress for a store to be erected at Fifth Ave. and 44th St., for Boehm & Coon. Stone, 6 stories, 30 × 100 ft. Boilers, elevators, motors, blowers and plumbing.

Neville & Bagge, Archs., 217 West 125th St., have completed plans for an apartment house, to be located at 121st St. and Amsterdam Ave., for Fichter & Simon, 306 East 119th St. Brick and terra cotta, 6 stories, 90 × 100 ft. Cost, $75,000. Electric lights, elevators, low pressure heating system and plumbing.

A. S. Gottlieb, Arch., 156 Fifth Ave., is taking figures on elevators, switchboards, electric wiring, heating apparatus, plumbing work and blowers for an office building at 15th St. and Fifth Ave., brick, 15 stories, 60 × 140 ft., for Jacob Rothschild, 4 West 72d St. Mason work is being done by owners.

Israels & Harder, Archs., 31 West 31st St., have awarded general contract for a $50,000 residence to JOHN H. DEEVES & BRO., 247 Fourth Ave. The Arkonia Realty Co., 66 William St., is the owner.

Herbert D. Hale, 92 William St., New York, has been appointed architect for new McCreery Dry Goods Store, to be located on West 34th St., to be built by H. B. Claflin. Building will probably be 120 × 220 ft., 12 stories, brick and stone, fireproof. The following equipment will be required: Engines, boilers, generators, motors, blowers, escalators, elevators, intercommunicating 'phone system, coal-handling apparatus, steel stack, sprinkler system, switchboards, heating system, plumbing apparatus, freight lifts, pumps and furniture.

NEW YORK, N. Y.—Chas. Volz, Arch., 160 Fifth Ave., has plans in progress for a $500,000 addition to the American Museum of Natural History at Central Park West and 77th St. Buildings will be brick and stone, but sizes have not been decided. An addition to power house will also be required which will include approximately the following: 800 HP. of horizontal water tube boilers, 700 HP. of compound steam engines, 500 KW. of direct-current generators and 100 HP. of electric motors. Electric elevators, blowers, switchboards, heating system, plumbing apparatus, inter-communicating 'phone system, fire protection system, furniture and steel stack will also be required. A great deal of marble will be used for the interior finish of all buildings.

NEW YORK, N. Y.—P. J. CARLIN CONSTRUCTION CO., 1 Madison Ave., was awarded contract for $240,000 addition to riding academy at 7-15 East 58th St., for John Jacob Astor. Bradford L. Gilbert is Arch., 50 Broadway. Boilers, engines, generators, motors, elevators, heating system, plumbing, electric wiring and switchboards. All included in general contract.

NEW YORK, N. Y.—Contract for "Tribune" building, 19 stories, 100 × 160 ft., has been awarded to D. C. WEEKS & CO., 289 Fourth Ave. D'Oench & Yost, Archs., 289 Fourth Ave.

NEW YORK, N. Y.—Bids are asked by C. B. J. Snyder, Supt. of Schools, until May 22 for general construction, etc., of addition to and alterations in School No. 69.

For general construction of School No. 81. For installing electric equipment in addition to and alterations in School No. 4, Borough of Queens.

Bids are asked until May 29 for alterations and repairs, etc., for a number of schools in Manhattan.

HASBROUCK HEIGHTS, N. J.—The city will build a new schoolhouse this year to cost $75,000. E. C. Little, of Hasbrouck Heights, can advise. An architect will be selected this month, and then a bond issue to defray expenses will be authorized.

PLAINFIELD, N. J.—T. H. PRIOR & SON, of Trenton, N. J., were awarded general contract for new bank and office building to be erected by Plainfield Trust Co. G. K. Thompson, 66 Broadway, New York, is Arch. The structural iron work will be done by JOHN ROEBLING'S SONS CO., and GEO. J. TOBIN, of Plainfield, has been given the contract for plumbing and heating.

TRENTON, N. J.—The Mercer Building Co. has been formed to erect a 10-story office building at State and Broad Sts., at a cost of $500,000. Ed. D. Birkholtz and Lawrence S. Mott, of Newark, and John P. Dullard and W. Meredith Dickinson, of Trenton, are back of proposition.

JERSEY CITY, N. J.—Bids will be received by Board of Health, Henry Smellie, Clk., until May 24, for new city hospital. Clinton & Russell, 32 Nassau St., New York, are Archs. Cost, $200,000.

UNION, N. J.—The city will build a library to cost $50,000 in the near future. A. R. Ross, 542 Fifth Ave., New York, is Arch. Brick, 3 stories, 50 × 90 ft. A low pressure heating system will be installed.

PASSAIC, N. J.—A new high school will be erected by the city this year. Cost, $100,000. Edwin Flower, of Passaic, can inform. Architect has not yet been selected.

NEWARK, N. J.—Forest Hill Presbyterian Church, of Newark, contemplates the erection of a $45,000 church in the near future to be located at Forest Hill, Newark. Oscar Teale, of 35 Broadway, New York, is Arch. A low pressure heating plant will be installed.

CAMDEN, N. J.—Thos. Stephen, Arch., 415 Market St., will receive bids until May 12 for a theatere for Taylor Amusement Co. Cost, $75,000.

ENGLEWOOD, N. J.—Taylor & Mosley, 1 Nassau St., New York, have about completed plans for a schoolhouse to be erected at Englewood to cost about $75,000. Boilers, motors, blowers, plumbing, heating and sanitary apparatus. A large quantity of school furniture will also be required.

JERSEY CITY, N. J.—An addition will be built to clubhouse of First Congregational Church, of Jersey City, to cost about $100,000. Dodge & Morrison, 82 Wall St., New York, are Archs. A [illegible] pressure heating system and electric [illegible] quired.

JERSEY CITY, N. J. [illegible] taking figures on ge[illegible] erection of a hospital [illegible] × 200 ft., at Baldwin St. Clinton & Russ[illegible] Engines, boilers, mo[illegible] tors and heating syst[illegible]

HACKENSACK, N. J. [illegible] a new high school this [illegible] est, of Hackensack, [illegible] has not been selected [illegible] within one month.

PHILADELPHIA, P[illegible] ROBERTS, Bailey Bldg[illegible] contract for church a[illegible] and Baltimore Ave., [illegible] Church. Cost, $70,000

PHILADELPHIA, PA. [illegible] Ziegler, Archs., 141[illegible] have invited bids for a[illegible] Hospital at Broad and [illegible]

McKEESPORT, PA.—[illegible] awarded contract for six [illegible] to BREICK BROS., [illegible] $85,000.

The Masonic Temple A[illegible] to McGAVERN & LYTLE [illegible] Pittsburg, the contract [illegible] Masonic Temple at Walnut [illegible] Cost, $115,000, exclusive [illegible] site.

ALLEGHENY, PA.—T. [illegible] Stevenson Building, Pittsb[illegible] ary-plans completed and [illegible] drawings for buildings of [illegible] sity of Pennsylvania, which [illegible] on Ridge Ave., Allegheny.

PHILADELPHIA, PA.—Bids are asked until May 31 for construction of lighthouse, oil house, boat house, etc., at Range Front Light Station, [illegible] Maj. J. C. Sanford, U. S. Engrs.

TYRONE, PA.—Beezer Bros., Archs., 620 Penn Ave., Pittsburg, have plans for a building for First Nat. Bank of Tyrone. Cost, $100,000.

CUMBERLAND, MD.—Bids will be received until May 15 by Cumberland Construction & Dramatic Co. for the erection of a fireproof theatre. Fred W. Elliott, Arch., Board of Trade Building, Columbus, O.

BALTIMORE, MD.—Wm. B. Ehlen, Gaither Estate Bldg., 111 North Charles St., has commissioned Geo. A. Nagle, Arch., 320 North Charles St., to prepare plans and specifications for proposed apartment house at Lanvale St. and Arlington Ave. Brick, 8 stories, 50 × 150 ft. Cost, $175,000.

The same architect is preparing plans for apartment house to be erected at Charles and Read Sts. for Wm. B. Ehlen. Cost, $350,000.

The Municipal Board of Awards has awarded contract to CHARLES L. STOCKHAUSEN, National Marine Bank Bldg., for construction of school building at Lakewood Ave. and Oliver St. at his bid of $89,000.

The Municipal Board of Awards rejected the bid of Augustus Aaron, 17 West St., for proposed additions and alterations to jail and will advertise for new proposals.

Contract for school building at Ramsay and Pulaski Sts. has been awarded to CHAS. L. STOCKHAUSEN for $82,950.

BALTIMORE, MD.—Dr. Wm. S. Gardner and other physicians are interested in the organization of Northwestern Hospital, and propose to erect a hospital building to cost $100,000.

We are informed that plans will be ready about the middle of May for proposed building at Baltimore and Hanover Sts. for Isaac Hamburger & Sons. Cost, $200,000. High pressure boilers, electric elevators, sprinkler system, fire pumps, electric lighting and steam heating will be installed. Simonson & Pietsch, Archs. Previously mentioned.

BALTIMORE, MD.—Bids are asked by the Board of Awards, E. Clay Timanus, Pres., until May 31, for repairing court-house. Drawings and specifications may be seen at office Engineering News, 220 Broadway, New York. (Advertised, Engineering News.)

BALTIMORE, MD.—Pell & Corbett, Archs., 31 Union Square, New York, writes us that bids will be received about July 1 for new Maryland Institute building. Cost, $350,000. Heating and ventilating plant will be installed.

CUMBERLAND, MD.—Wright Butler, Arch., 4 Water St., has invited bids for an addition to Third National Bank. Brick, stone and steel, 6 stories, 40 × 150 ft.

WASHINGTON, D. C.—Bids are asked by A. W. Butt, Q. M., U. S. A., Washington, until June 7 for construction, plumbing and electric wiring of about 25 buildings on the military reservation at Kahauiki, near Honolulu, H. T. Bids are also to be opened at Honolulu for the above work. (Advertised, Engineering News.)

WASHINGTON, D. C.—N. T. Haller Co., Arch., Corcoran Bldg., has invited bids for an apartment house at Ontario St. and Lanier Ave. Cost, $75,000.

WASHINGTON, D. C.—N. R. Grumm, Arch., 627 F St., N. W., has invited bids for an apartment house at 1855 Cincinnati Ave. Cost, $75,000.

WASHINGTON, D. C.—John Mariner, of Norfolk, Va., has purchased site on which to erect seven-story office building, at a cost of $200,000.

WASHINGTON, D. C.—Price, Bruce & De Sibour, Archs., 1133 Broadway, New York, have plans in progress for hospital to be erected at Washington, D. C., for U. S. Government. The scheme includes the following: Administration building, 6 stories, 50 × 150; two wards, 2 stories, 40 × 120 ft.; main building, 3 stories, 90 × 250 ft.; nurses' home, 2 stories, 40 × 160 ft.; stable, 2 stories, 40 × 60 ft.; power house, 1 story, 30 × [illegible] ft. Engines, boilers, generators, motors, elevators, blowers, brick stack, and heating system will be required.

NORFOLK, VA.—James Stewart & Co., of Pittsburg, Pa., general contractors for the 12-story Commercial Realty Co. building in this city, have awarded contract for the fireproof

ing, ceiling and floors, expanded metal system, to the SOUTHERN CONTRACTING CO., Norfolk.

HUNTINGTON, W. VA.—Contract will be let about June 1 for the erection of building 130 x 90 ft. at Marshall College, for which Holmboe & La[illegible]y, Fordyce Bldg., Clarksburg, W. Va., Archs.

ROMNEY, W. VA.—Bids will be received by Board of Education until May 13 for the erection of school building. V. M. Poling, Secy.

FAYETTEVILLE, W. VA.—The Fayetteville Nat. Bank will receive bids until May 15 for the erection of a bank building, 40 x 84 ft.

ATHENS, GA.—University of Georgia will let contract about June 1 for the erection of science and [illegible]mistory building. Hazelson Buckley, 618 Empire Bldg., Atlanta, Ga., Archs. Cost, $[illegible],000.

MACON, GA.—Contract for building new post-office and court-house at Macon was awarded to SIMKIN CONSTRUCTION CO., for $215,850.

MOBILE, ALA.—Contract for construction of new Cawthon Hotel has been awarded to JETT BROS. CONSTRUCTION CO., of Mobile, for $200,000.

LEESVILLE, LA.—Police Jury of Vernon Parish, J. J. Dwyer, Pres., will receive bids until July 3 for improvements to court-house and jail in accordance with plans and specifications on file in office of W. M. Dortch, City Engr., Shreveport.

SHREVEPORT, LA.—Bids will be asked about May 15 for the erection of three-story Elks' clubhouse, 45 x 80 ft. A. J. Armstrong Co., 3-4 Simon Bldg., Arch., was reported last week as preparing plans.

KNOXVILLE, TENN.—The Mechanics National Bank has invited bids for a bank and office building. Brick, stone and steel, 12 stories, 30 x 140 ft.

MEMPHIS, TENN.—The Business Men's Club is having plans prepared for the erection of 12-story building, 50 x 75 ft., of brick and stone, to cost about $175,000.

KNOXVILLE, TENN.—Bids will be received until June 1 for construction of the 10-story Mechanics' Nat. Bank building. E. G. Oates, Cashier. Morgan & Dillon, Archs., Atlanta, Ga. Previously mentioned.

COLUMBUS, O.—The general contract for construction of six-story business block by Geo. J. Hoster at High and Town Sts. for the American Savings Bank Co. was awarded to DANIEL W. McGRATH, of Columbus, for $92,000.

TIPTON, IND.—Bids will be received by Board of Education until May 26 for three-story high school building. 125 x 80 ft. Cost, $80,000. Eberson & Finan, 125 North Tenth St., Hamilton, O., are Archs.

WASHINGTON, IND.—Gault & Gault, Archs., Vincennes, Ind., have plans and will receive bids until June 2 for a three-story lodge, office and store building, 60 x 140 ft., for Knights of Columbus, G. W. Gearse, Secy. Building Committee. Cost, $50,000.

INDIANAPOLIS, IND.—Bids will be received until May 26 by School Board, for a complete heating and ventilating plant in School No. 52. Rubush & Hunter, Archs.

HARTFORD CITY, IND.—L. C. Johnson, Auditor, Blackford County, will receive bids until May 20 for improvements and additions to court-house.

LAFAYETTE, IND.—Contract to build a new amphitheater and a new Chautauqua building on Tippecanoe Fair Ground, has been let to ADAM HERZOG, 1328 Ferry St.

KANSAS CITY, MO.—Fredk. C. Gunn, Arch., 208 Grand Ave., informs us that plans for City Hospital superstructure will be ready in about four weeks.

ST. JOSEPH, MO.—The contract for St. Joseph Convention hall was let April 22 to P. P. BUDDY, of St. Joseph, for $125,000. Work to begin at once.

CORSICANA, TEX.—Contract to build Navarro County's proposed new courthouse has been let to NEW YORK CONSTRUCTION CO., with headquarters at Fort Worth, for $128,900. Work to begin June 1.

SHIPROCK, N. MEX.—Bids are asked by Department of the Interior, Indian Affairs, Washington, D. C., until May 31 for constructing buildings, water and sewer system, etc., at San Juan School, N. Mex. C. F. Larrabee, Act. Comr.

TULALIP, WASH.—Bids are asked by Department of the Interior, Indian Affairs, Washington, D. C., until June 2 for constructing school buildings, employees' quarters, water and sewer system, etc., at Tulalip School. C. F. Larrabee, Act. Comr.

LOS ANGELES, CAL.—It is stated that the Tivoli Theatre will be erected on Spring St., in which Abbott Kinney and H. C. Wyatt are interested. Contracts are to be let in a few weeks for the erection of the building, which will cost $250,000. A. L. Haley, Henne Bldg., is Arch.

RENO, NEV.—Bids are asked by James Knox Taylor, Supv. Arch., Washington, D. C., until June 7 for construction, complete, of U. S. post-office at Reno.

MONTREAL, MA.—The contract for building new Alexandria Hospital in this city has been awarded by Ed. Maxwell, Archs., to JOHN QUINLAN, of Montreal. Cost, $240,000.

WATER SUPPLY—IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

WATERVILLE, ME.—Contract for laying cast-iron water pipe and appurtenances for Kennebunk Water District has been let to BOYLSTON CONSTRUCTION CO., West Boylston, Mass., for $36,967. Bids for the work were received April 29 and are given under Contract Prices in our issue of May 4.

KENNEBUNK, ME.—The Mousam Water Co., of Portland, Me., has awarded the contract for laying five miles of 6 and 8-in. water pipe at Kennebunk, Kennebunkport and Cape Porpoise, Me., to CHARLES N. TAYLOR, 1 Waban St., Wellesley, Mass. This contract will include the excavation of about 4,000 cu. yds. of rock.

OLD ORCHARD, ME.—The Biddeford & Saco Water Co., of Portland, Me., has awarded the contract for laying about 13,000 ft. of 6-in. water pipe at Old Orchard and Pine Point, Me., to CHARLES N. TAYLOR, Wellesley, Mass.

ISLAND FALLS, ME.—John E. Webb, proprietor of the Hotel Exchange, is reported to be organizing company to install water-works here.

GREENFIELD, MASS.—Chas. J. Day, Water Comr., writes us that 5,000 ft. 6-in. pipe has been purchased for water main extension; nothing further had been done.

HADLEY, MASS.—Hadley Water District, Frank Goodman, Treas., is reported to have awarded following contracts for water system: Pipe, FOX & CO., Philadelphia, Pa., $21,956; reservoir, FLYNT GRANITE CO., Monson, Mass., $2,850; laying pipe, LANE CO. and R. S. GAYLORD, $9,144.

LAWRENCE, MASS.—We are informed that nothing has been done yet toward building new filter bed. Tests are being made with driven wells in hope of securing water from that source, and these tests have not yet been completed. A. D. Marble, Cy. Engr., is official in charge.

WEBSTER, MASS.—We are informed that town is replacing about 3,000 ft. of old 6-in. pipe with 10-in. pipe, and is doing the work itself under supervision of M. Schofield, Supt. W.-W.

WESTFORD, MASS.—Samuel Taylor writes us that a committee has been appointed to investigate the cost of putting in a water supply, and probably will not report until next March. J. C. Abbott and J. B. Cameron may be able to furnish particulars.

SPRINGFIELD, MASS.—Allen Hazen, Consult. Engr., New York, has made a report to the Water Commissioners of this city in which he states that the project of securing a water supply from Little River is entirely feasible. According to the report a system having a capacity of 15,000,000 gallons daily could be constructed for $1,827,000 with an added $350,000 if it is desired to filter the water. E. E. Lockridge is Engr. Water Dept.

BUFFALO, N. Y.—Following bids were received April 27 by Commissioner Public Works for altering and repairing six boilers at the pumping station so as to conform with new boilers being erected: Lake Erie Boiler Works, $29,000; Farrar Trefts, $29,618; Tashenberg Bros., $31,493; Howard Bros. Boiler Works, $33,650.

BUFFALO, N. Y.—Bids are asked by Francis G. Ward, Comr. Pub. Wks., until 11 a. m., May 17, for construction and erection of one vertical turbine type of pump at pumping station, capable of delivering not less than 25,000,000 gallons of water in 24 hours into the water mains of the City of Buffalo, approximately 200 ft. head, together with a vertical shaft, three-phase induction motor of proper size to operate the pump.

NEW YORK, N. Y.—Following bids per hydrant were received May 3 by John T. Oakley, Comr. Water Supply, Gas and Electricity, for furnishing (1) triple nozzle hydrants and (2) double nozzle hydrants: M. J. Drummond & Co., 182 Broadway, New York, (1) $91.65, (2) $31.25; Kennedy Valve Mfg. Co., 67 Beekman St., New York, (1) $63.50, (2) $29.75; A. P. Smith Mfg. Co., Newark, N. J., (1) $70, (2) $32.50; Florence Iron Works, Florence, N. J., (1) $60, (2) $31.65.

NEW YORK, N. Y.—Bids are asked by John T. Oakley, Comr. Water Supply, Gas and Electricity, 13 Park Row, until May 17 for furnishing, delivering and laying watermains and appurtenances in Hicks, Joralemon, Furman and Willoughby Sts., Brooklyn; bids are asked also for furnishing and delivering pig lead and for tapping 20-in. and 30-in. water-mains in service, and hauling and setting 6-in. hydrant service mains, fire hydrants and appurtenances on various streets in the Borough of Brooklyn.

ONEIDA, N. Y.—Plans and specifications for the construction of dam, pipe line, and for grubbing and clearing land for reservoir may be seen at office of Engineering News, 220 Broadway, New York. Bids are asked until May 12, as advertised in Engineering News.

SCOTIA, N. Y.—Contracts for additional portion of installation of water system for this village have been let as follows: Concrete work, H. B. SPROUL, $3,885; piping, etc., STEVENSON BROS., $1,100.

PERTH AMBOY, N. J.—Bids are asked by Board Water Commissioners, Adam Eckert, Clk., until May 24, for furnishing and erecting complete 8,000,000-gallon pumping engine. S. J. Mason, Engr. (Advertised, Engineering News.)

PITTSBURG, PA.—T. A. Gillespie Co., contractors for the city filtration plant, are reported to have let the following sub-contracts in connection with the work: Pumping engines, ALLIS-CHALMERS CO., Milwaukee, Wis.; electrical construction work and apparatus, MORGANSTERN-OCHILTREE CO., Pittsburg; buildings, WILLIAM KERR'S SONS, Pittsburg, and H. L. KREUSLER, Pittsburg; pipe, R. D. WOOD & CO., Philadelphia.

SHIPPENSBURG, PA.—Bids were received April 1 by the Council, W. J. Angle, Clk., for making repairs to reservoir; only two bids were accompanied by guarantee and were considered, these being as follows: VULCANITE PAVING CO., 2-28 Land Title Bldg., Philadelphia, Pa., $13,000, and Filbert Construction Co., Philadelphia, Pa. The contract was awarded to the first named contractor who agrees to do all the work and make the reservoir hold water and guarantees the work for five years.

WASHINGTON, D. C.—Following bids were received by Superintendent U. S. Capitol for furnishing (1) soil pipe, and (2) cast-iron water pipe for House of Representatives Building: Central Foundry Co., New York, (1) $800, (2) $4,782; Somerville & Sons, Washington, D. C., (1) $820, (2) $5,359; U. S. Cast Iron Pipe & Foundry Co., (2) $5,-758; C. J. McCubbin & Co., (1) $870; J. Mitchell, Jr., Washington, D. C., (1) $851; J. Simmons Co., (1) $691.

WHEELING, W. VA.—We are informed that Standard Contracting Co., Wilson Hoge, Pres., will be open for prices in a few weeks on 3,000 ft. 4-in. and 6-in. cast-iron water pipe.

ATLANTA, GA.—Finance Committee Water Board has awarded the following contracts for meters: ¾-in. meters, HERSEY METER CO.; 1½-in. and up meters, NEPTUND METER CO.; meter boxes, HERSEY METER Co.; trial order, 25 ⅝-in. meters, HENRY R. WORTHINGTON CO.

COLUMBUS, GA.—Water Board has awarded contract for boring 10-in. artesian well to PERRY ANDREWS, Atlanta, Ga., for $8 per foot. Bids were opened April 25.

FORT DE SOTO, FLA.—Bids are asked until May 22 for material and erecting nine cypress water tanks and moving two tanks at this post. R. S. Pratt, C. Q.-M.

EUSTIS, FLA.—We are informed that on April 17 this place granted a franchise to E. L. Farran & Co., for the construction of water-works, and electric light plant. Supply is to be from wells.

NEW ORLEANS, LA.—Sewerage and Water Board, Geo. G. Earl, Gen. Supt., has awarded the following contracts in connection with public improvement work, bids for which were opened April 18: Contract 2-W and 3-W furnishing cast iron pipe and appurtenances: U. S. Cast Iron Pipe & Foundry Co., $160,-550, and $148,809; Contract 1-W, furnishing water-works pumping machinery, ALLIS-CHALMERS CO., Milwaukee, Wis., $479,980. Contracts for laying water mains, bids received April 25, have been let to WEATHERFORD & CAREY BROS., Memphis, Tenn., at $83,190 for Contract 5-W and $37,437 for Contract 4-W.

NEWPORT, KY.—We are informed that question of laying about a mile of 20-in. pipe to connect Covington and Newport is still under discussion. Estimate and report has been made to Commissioners of Covington. Geo. Hornung, Covington, and W. L. Glazier, Supt. W.-W., Newport, are Des. Engrs.

SHELBYVILLE, TENN.—See under Light and Power Plants.

NASHVILLE, TENN.—Bids are asked by Board Public Works, until May 25, for boilers for water-works pumping station. Boilers of the water tube type, horizontal pattern, made by the following firms only, will be considered: The Babcock & Wilcox, Aultman & Taylor and the Tudor Boiler Manufacturing Co.

CINCINNATI, O.—Bids were opened May 2 by Water-Works Commissioners for laying water mains, lowest bidders being as follows: Main in Paddock Road, Thomas Maloney, $3,187; main in Reading Road, Baumer & Co., $8,507.

CLEVELAND, O.—Specifications for furnishing Water-Works Department of the Board of Public Service will all cast-iron pipe and special castings that may be required during 1905 may be seen at office of Engineering News, 220 Broadway, New York. Bids are asked until May 16, as advertised in Engineering News.

CLEVELAND, O.—Bids are asked by Board Public Service, A. R. Callow, Secy., until 12 o'clock noon May 15, for concrete foundations for temporary engine house and Worthington engine No. 4 at Kirtland St. pumping station.

COLUMBUS, O.—Hocking Valley Ry. has awarded contract for water purifying plant of 600,000 gallons capacity to the AMERICAN WATER SOFTENER CO., Philadelphia, Pa.

GREEN BAY, WIS.—Green Bay Water Co. has awarded contract for 12,000 ft. 6 to 12-in. cast iron pipe to the MORLEY-MURPHY HARDWARE CO., Green Bay, and this company has placed an order for the material in Cleveland. The water company is reported to be contemplating extensive improvements to its plant, in accordance with plans of Prof. D. W. Mead, Madison, Wis.

SIOUX CITY, IA.—G. B. Healy, Pres. Bd. Trus. Water-Works, writes that contracts for new boilers has been awarded to INTERSTATE BOILER WORKS, Sioux City, Ia. Contract for laying about 12,400 ft. water pipe, etc., was awarded on May 1 to M. L. FLINN.

ALBIA, IA.—John T. Clarkson writes us that matter of proposed water-works for this place has been dropped for the present, owing to difficulty in floating bonds. It is probable that another franchise may have to be voted before anything will be done.

THIEF RIVER FALLS, MINN.—Contract for sewers for this city, bids received May 1, has been let to CHRIS. JOHNSON for $13,500.

BAGLEY, MINN.—Following bids were received May 3 for constructing water-works, to consist of tower and tank distribution pipe line system, motor, etc.: J. G. Robertson, $7,935; W. I. Gray & Co., $7,363; W. D. Lovell, $7,237; Pastoret & Lunz, $7,795; CROWLEY ELECTRIC CO., Duluth, Minn., $6,891 (awarded contract); Des Moines Bridge & Iron Works, $7,280; Dwyer Plumbing & Heating Co., $7,778. Oscar Claussen, St. Paul, Minn., was Engr.; T. O. Sundet is Village Recdr.

THIEF RIVER FALLS, MINN.—Bids as follows were received May 1 by this city, Lars Backe, Cy. Clk., for constructing water-works, to consist of steel tower and tank, distribution pipe line system, etc.: W. S. Weeks, $21,550; Des Moines Bridge & Iron Works, $19,300; Crowley Electric Co., $19,-300; Dowling Bros., $21,017; C. H. Pafritt, $22,847; O'Neil & Son; W. D. Lovell, $20,-829; R. E. PATTERSON $19,100 (awarded contract); Pastoret & Lunz, $15,018; Geo. Belden, $21,895. Oscar Claussen, St. Paul, Minn., was Engr.

DULUTH, MINN.—Board Water and Light Commissioners are reported to have awarded contract for furnishing water and gas pipe in 1,000 or 2,000-ton lots to U. S. Cast-Iron Pipe & Foundry Co. Contract for laying Park Point water and gas pipes across canal is also reported let to JOHN WAULASS.

MOORHEAD, MINN.—Following bids were received by Council, H. E. Roberts, Cy. Clk., May 1 for 300-KW. plant for water-works: Fort Wayne, Ind., Electric Co., $19,873; W. I. Gray & Co., Minneapolis, Corliss engine, $22,775; turbine engine, $20,850; J. B. Roobert on St. Paul, 120 revolutions, $19,335; 150 revolutions, $18,237; Allis-Chambers Co., New York, $19,975; Westinghouse Mfg. Co., $19,886; Minneapolis Steel Co., 150 revolutions, $19,870; 120 revolutions, $22,200.

ADA, MINN.—Bids are reported asked by M. Patterson, Village Recdr., until 8 p. m., May 16, for water mains, pipes and hydrants.

WHITE BEAR LAKE, MINN.—Following bids were received by this village April 24 for construction of water-works system: R. E. Patterson, $11,550; W. D. Lovell, $11,587; ALLAN BLACK & CO., St. Paul, Minn., $10,619 (awarded contract); Dwyer Plumbing & Heating Co., $10,900; Des Moines Bridge & Iron Works, $11,575; W. I. Gray & Co., $11,540; Crowley Elect. Co., $11,500; J. G. Robertson, $11,550. R. J. Bloom is Village Recdr.; Oscar Claussen, St. Paul, Minn., was Engr.

ELKTON, S. DAK.—This town is reported to have let contract for water-works and gas lighting system, to cost about $15,000, to the MUNICIPAL GAS CO., Minneapolis, Minn.

MAYSVILLE, MO.—Contract for furnishing material and constructing system of water-works around court-house here has been let to J. S. BOLTON, Cameron, Mo., for $2,250.

NEW MADRID, MO.—Plans and specifications for furnishing and constructing system of water-works for this place may be seen at the Chicago office of the Engineering News, in the Monadnock Block. Bids for the work are asked until May 17, as is stated in our advertising columns.

LONOKE, ARK.—Messrs. Bransford and Daniels, owners of local water-works, will, it is reported, reconstruct the plant. Improvement contemplates new stand-pipe and replacing of present water mains.

JACKSONVILLE, TEX.—We are informed that this city has voted to issue $30,000 of bonds for installing water-works. J. C. Box is Mayor.

MARSHALL, TEX.—Bids are asked by H. S. Rice, Cy. Secy., until 11 a. m., May 16, for constructing system of water-works. Bids are also asked for pumping engines, boilers, etc. Jno. W. Maxey, Houston, Tex., is Consult. Engr.

SANTA FE, N. MEX.—We are informed that the Santa Fe Irrigation & Development Co. has planned to build an irrigation system south of the town to irrigate 10,000 acres of land. Six storage reservoirs will be built on Arroyo Hondo to store flood and waste water of the winter season. Water will be conducted from reservoirs in pipes and vicinity of reservoirs will be parked. Construction will commence about next September. Engineer and Manager of company are in charge of work, and G. A. Collins, Santa Fe., is Des. Engr.

SEATTLE, WASH.—Bids were received April 29 by Board Public Works, C. B. Bagley, Secy., for laying water pipe, etc. Stirrat & Goetz, Seattle, were lowest bidders, at $101,000, and will be awarded the contract. Lowest itemized bid will be given under Contract Prices.

TACOMA, WASH.—Contract for two pumps for South Tacoma wells is reported to have been let to L. FORREST McCONIHE for $12,885. Bids were opened April 25 on a re-advertisement.

CONDON, ORE.—Contract for drilling 100 ft. well here is stated to have been let to JAMES W. GREEN, Portland, Ore., for $8,000.

LOVELOCKS, NEV.—We are informed by J. R. Hunter that bonds for $12,000 have just been sold. No further arrangements for new water-works system have yet been made. Address W. C. Ruddell, Chn. Bd. Comrs.

TORONTO, ONT.—Plans and specifications for construction of tunnel and shafts under Toronto Bay, between main pumping station at foot of John St. and Toronto Island, may be seen at the Chicago office of the Engineering News, and also at the New York office, 220 Broadway. Bids for the above work are asked until June 6, as advertised in Engineering News.

STRATHCONA, ALTA.—A. C. Rutherford, Cy. Secy.-Treas., writes us that A. J. McLean has been employed to prepare plans and specifications for water-works and sewer system. Tenders for excavation, etc., will be received until May 29.

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

PROVIDENCE, R. I.—A resolution was passed by Council ordering a main trunk sewer to be constructed in Unit St. Est. cost, $7 213.

HARTFORD, CONN.—Contract for constructing sewers in Mather and Vine Sts. was awarded to CHAS. H. SLOCOMB, for $2,147.

BROOKLYN, N. Y.—Bids are asked by Martin W. Littleton, Boro. Pres., until May 17 for furnishing all labor and materials required for constructing sewers in New York Ave., East 23d St., 16th St. and Glenwood Road.

SYRACUSE, N. Y.—Following bids were received May 1 for constructing pipe sewers and 30-in. brick sewer: Troy Public Works Co., Utica, N. Y., $23,701; Samuel Bonn, Syracuse, $17,721; John Davin, Syracuse, $17,703; Thomas Marnell, Syracuse, $25,345; Jas. Swift, Syracuse, $17,730; C. T. Hookway, Syracuse, $18,885. For constructing 12, 15 and 24-in. pipe sewer in Emerson Ave., John Davin was low bidder, at $3,142.

BALLSTON SPA, N. Y.—Bids are asked by Wm. H. Sherman, Vil. Clk., until May 18, 8 p. m., for construction of about eight miles of sewers. John M. Farley, Engr., 5 Court St., White Plains, N. Y.

ASBURY PARK, N. J.—The project to issue bonds for the erection of a septic sewerage plant was adopted at special election held April 25.

PLAINFIELD, N. J.—It is stated that bids will be received by Common Council until June 5 for the proposed extension of sewage disposal beds. J. O. Osgood, Consult. Engr.

WESTCHESTER, PA.—The Council has appointed a committee, David Sharpless, Chn., to inquire into the matter of sewerage for this town, the population of which is 10,000.

BALTIMORE, MD.—The city has voted the proposed issuance of $10,000,000 in bonds for construction of a complete underground sewerage system, and $1,000,000 in bonds for constructing public parks and boulevards The Mayor will appoint a commission to have charge of the construction of the sewerage system, engaging engineers, awarding contracts, etc. Address E. Clay Timanus, Mayor. B. T. Fendall is Cy. Engr.

DARLINGTON, S. C.—Bids are asked by Mayor and Aldermen until June 1 for furnishing material and constructing sewer system, embracing about seven miles of 8 to 18-in. pipe sewers. J. L. Ludlow, Engr., Winston, N. C. (Advertised, Engineering News.)

MARION, S. C.—Bids are asked by Sewerage Commissioners until May 20 for constructing complete a system of pipe sewers. W. J. Montgomery, Chn.

AUGUSTA, GA.—Bids are asked until May 15 by Mayor and General Council for constructing approximately 4,000 ft. trunk sewer in Grant Park. R. M. Clayton, Cy. Engr.

GADSDEN, ALA.—Julian Kendrick, Cy. Engr. of Birmingham, is preparing plans for proposed sewerage system for Gadsden.

HOPKINSVILLE, KY.—R. C. Hardwick, of Hopkinsville, purchaser of franchise for sewer system here, writes us that by an oversight the franchise was not advertised according to law and will be resold May 27.

ABBEVILLE, LA.—The city has voted to issue bonds to establish a sewerage system. The Mayor can give information.

NEW ORLEANS, LA.—Water and Sewerage Board, Geo. C. Earl, Supt., has recommended that contracts for sewerage construction, laying sewerage pipes and mains, bids for doing which were received April 18, be awarded as follows: Contract Q, BLACK & LAIRD, Dallas, Tex., $88,756.50; contract R, BLACK & LAIRD, $189,283.50; contract S, GEORGE R. TURNER, $118,627.50; contract T, IRWIN BROS., New Orleans, $96,942.50.

CHATTANOOGA, TENN.—A stock company is being organized by Drs. Wilson and Davis, C. F. Krichbaum and associates to construct a sewerage system at St. Elmo.

MERIDIAN, MISS.—$35,000 sewerage system will be constructed here. Mayor can inform.

KNOXVILLE, TENN.—Council has passed bills appropriating money for a number of sewers. S. J. Moreland is Cy. Engr.

COLUMBUS, O.—Bids are asked by Board Public Service until May 18 for repairing Indianola sewer and constructing embankment. Julius Griggs, Ch. Engr. of Bd.

STEUBENVILLE, O.—Bids are asked by Board Public Service until May 19 for construction of 5,134 ft. of 36-in. sewer and 640 ft. of 30-in. sewer, including 27 manholes and 42 catchbasins. T. W. Vance, Clk.

AKRON, O.—PAUL & HENRY have received contract for constructing sewers in Baird, Fourth and Hopican Aves.

CLEVELAND, O.—AUGUST WAGNER was awarded contract for building Euclid Ave. sewer by Board Public Service for $37,801.

CINCINNATI, O.—Bids are asked by Board Public Service until May 29 for sewering Quebec, Jonte and Glenway Aves.; est. cost, $28,000.

Bids will be received at the same time and place for constructing a sewer in Bassett and Mt. Hope Roads.

LAFAYETTE, IND.—Contract to build a brick sewer in Cincinnati St., from 13th St. to Erie Ave., has been awarded to JOHN C. FREY.

BROOKVILLE, IND.—The Town Trustees contemplate constructing a sewer in Ninth St., from Franklin to Short St., and also improvement to water-works reservoir.

NEW ALBANY, IND.—P. J. McNerny & Co., of Indianapolis, have transferred their contract for construction of sewer system in New Albany to Marion County Construction Co., Indianapolis. Contract price, $207,310.

DETROIT, MICH.—Mason L. Brown, Engr., of Detroit, has completed plans for sewer system for Ford village. Est. cost, $50,000.

GRINNELL, IA.—We are informed that the contract for constructing 3,000 ft. of sewerage was awarded May 1 to H. H. ROBBIN, of Grinnell.

PIPESTONE, MINN.—F. L. Williams, Cy. Surv., writes us that bids will be received until May 29 for a $15,000 sewer and septic tank. Loweth & Wolf, of St. Paul, are Design. Engrs. Specifications may be seen at their office.

ELLENDALE, N. DAK.—The contract for constructing a sewer in Railroad Ave. has been awarded to SYMMS POWER CO., of Sioux Falls, S. Dak., for $16,552.

GRAND FORKS, N. DAK.—It is reported that bids will be opened May 15 for construction of a sewer on De Mers Ave. J. J. Smith, Cy. Engr.

ROGERS, ARK.—Board of Trade has appointed a committee on sewerage for the development of plans to improve city's sewerage system.

LOS ANGELES, CAL.—Contract for constructing intersecting sewer in Pasadena Ave. was awarded to ANDREW HALLAWAY by City Council, for $10,900.

SANTA CRUZ, CAL.—Plans and specifications for sewer on Holden St., Leibbrandt and Third Aves. and on a portion of Ocean and Barson Sts., were adopted by Council.

OAKLAND, CAL.—Resolutions of intention were passed to order the construction of 8-in. sewers in 45th, West, 43d and 44th Sts. and Shafter Ave. P. C. Turner, Cy. Engr.

MODESTO, CAL.—Bids are asked by Trustees until May 17 for construction of a sewer extension of main sewer in H St., 850 ft. W. O. Thompson, Cy. Clk.

PETERBORO, ONT.—Bids are asked by Frank Adams, Chn. Bd. of Wks., until May 19 for construction of a main sewer and sedimentation tank in Ward No. 5. Sewer comprises. 270 ft. 14-in. iron submerged outlet pipe; 1 400-ft. 18-in. tile pipe; 1,300 ft. 15-in. tile pipe. Willis Chipman, 103 Bay St., Toronto, Consult. Engr.

LONDON, ONT.—The Council have given notice of their intention to construct a vitrified brick pavement on Talbot St., between King and Fullarton, also a number of cement sidewalks and tile sewers.

REGINA, N. W. T.—Contract for construction of sewerage system here was awarded to DOBSON, JACKSON & FRY, of Winnipeg, Man., for $27,200. John Galt, of Toronto, Ont., Engr.

GARBAGE DISPOSAL.

The names of parties awarded contracts are printed in capital letters.

ALBANY, N. Y.—Resolution has been before Council requesting Comissioner of Public Works to ascertain cost of garbage reduction plant.

PHILADELPHIA, PA.—Following bids were received May 4 by Peter Costello, Dir. Pub. Wks., for disposal of city garbage: Urban Waste Disposal Co., Albert W. Ransom, Pres., 35 Nassau St., New York, $444,000. Owen J. Evers, Philadelphia, $448,300; James Curran, Philadelphia, $524,000; American Product Co., $538,000.

BLOOMINGTON, ILL.—Council is reported to have voted to establish garbage crematory.

MILWAUKEE, WIS.—Special Council Committee, V. J. Schoenecker, Secy., is to secure information regarding the conversion of garbage into fuel briquettes.

KANSAS CITY, MO.—Bids were received May 1 by Board of Health for garbage removal, as follows: E. L. House, $29,000; William Crowder, $30,000; George E. Osborne, $30,000, and W. B. Vining, $31,000.

LOS ANGELES, CAL.—Bids were received April 24 by H. J. Leland, Cy. Clk., for construction of a garbage plant, as follows: Decarie Mfg. Co., $70,864; Standard Construction Co., Chicago, Ill., $61,560; Dundon Iron Works, San Francisco, Cal., $54,893.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

WEST BOYLESTON, MASS.—Bids are asked by Metropolitan Water and Sewerage Board, 1 Ashburton Pl., Boston, Mass., until May 19, for building about 2¼ miles macadam road, chiefly in West Boylesten. Frederic P. Stearns, Ch. Engr. (Advertised, Engineering News.)

WATERBURY, CONN.—Bids are asked by Board of Public Works until June 6 for paving portions of North Main, Benedict and Scoville Sts. with vitrified brick. R. A. Cairns, Cy. Engr.

AMSTERDAM, N. Y.—F. E. Crane, Cy. Engr., informs us that proposals will probably be received June 6 for paving Chuctonunda St. with fire clay block, about 1,200 sq. yds. East. cost, $3,000.

SYRACUSE, N. Y.—Following bids were received by Board Public Works for paving E. Fayette St. from South Beach to University Ave., (1) bid for asphalt, (2) bid for sandstone: F. J. Baker, (1) $21,991, (2) $24,695; Central City Paving Co., (1) $21,133, (2) $24,175; John W. Bustin, (1) $20,804, (2) $24,184; Troy Pub. Works Co., (1) $21,478, (2) $24,520; C. T. Hookway, (1) $21,727, (2) $24,769. For paving Marshall St. from Crouse Ave. to Walnut Place bids were received as follows, (1) bid for Syracuse brick, (2) bid for Canton brick: John W. Bustin, (1) $8,809, (2) $9,107; Thomas Marnell, (1) $8,643; Central City Paving Co., (1) $8,530.

ELMIRA, N. Y.—Frederic Leach, Cy. Engr., writes us that bids will be received until May 22, 4 p. m., for paving about 5,400 sq. yds.

OXFORD, N. Y.—W. S. Farrington, Engr., of Syracuse, N. Y., has been engaged by Board of Trustees to make preliminary survey and prepare specifications for proposed macadam roadway through Oxford.

BINGHAMTON, N. Y.—Bids are asked until May 22 for paving with vitrified brick on Exchange St., on Court St., and Susquehanna St. D. C. Herrick, Cy. Clk. (Advertised, Engineering News.)

BUFFALO, N. Y.—Bids are asked by Department Public Works until May 19 for repaving Washington, Fox, Herman and Virginia Sts. Francis G. Ward, Comr.

BROOKLYN, N. Y.—Bids are asked by Martin W. Littleton, Boro. Pres., until May 24 for the improvement of portions of a number of streets and sidewalks.

RENSSELAER, N. Y.—Bids are asked by John G. Salt, Cy. Clk., until May 16 for grading and paving of Catherine St. (Advertised, Engineering News.)

HARRISON, N. J.—Common Council will advertise for the repaving with granite block of Harrison Ave.

TRENTON, N. J.—Bids were received May 2 by Mercer County Freeholders, Frank J. Eppele, County Engr., for furnishing material and macadamizing, contracts for the work being awarded as follows: Olden Ave. Road, 12,195 ft. long, 14 ft. wide, 19,222 sq. yds. macadam 6-in. deep, 17,060 cu. yds. excavation, C. B. WALTON CO., Trenton, N. J., $16,651; Newtown and Allentown Road, 16,608 ft. long, 14 ft. wide, 26,237 sq. yds. macadam 8-in. deep, 13,250 cu. yds. excavation, C. B. WALTON CO., Trenton, $23,494; Whiteheads Mill Road, 5,393 ft. long, 14 ft. wide, 8,244 sq. yds. macadam 8-in. deep, RICHARD NEWTON Trenton, N. J., $5,007; Groveville Road, 5,464 ft. long, 14 ft. wide, 9,105 sq. yds. macadam 6-in. deep, 12,270 cu. yds. excavation, B. M. & J. F. SHANLEY CO., Jersey City, N. J., $8,008; Brunswick Pike, 21,120 ft. long, 16 ft. wide, 38,208 sq. yds. macadam 6-in. deep, 18,510 cu. yds. excavation, RICHARD NEWTON, Trenton, N. J., $28,610; Pennington and Washington's Crossing Road, 14,755 ft. long, 14 ft. wide, 23,193 sq. yds. macadam 8-in. deep, 9,550 cu. yds. excavation, C. B. WALTON CO., Trenton, $19,563; Grover's Mill Road, 9,940 ft. long, 14 ft. wide, 15,623 sq. yds. macadam 8-in. deep, 8,825 cu. yds. excavation, RICHARD NEWTON, $13,724.

PATERSON, N. J.—Bids are asked by Department of Streets and Sewers until May 15, 2 p. m., for paving on portions of a number of streets with asphalt. H. J. Harder, Cy. Engr.

TRENTON, N. J.—Bids are asked by Village Council until May 18 for grading and regraveling of Miami St. Louis Brill, Jr., Clk.

GETTYSBURG, PA.—We are informed that the contract for paving with Telford of Colgrove, Carman and North Confederate Aves. on battlefield of Gettysburg was awarded to M. & T. E. FARRELL, of Westchester, Pa., for $8,295.

PITTSBURG, PA.—County Commissioners have awarded contracts for the improvement of following county-roads: Three-Degree road, BOOTH & FLYNN, 19 Forbes St., Pittsburg, $60,110; Castle Shannon road, BOOTH & FLYNN, $27,950; Narrows Run road, M. P. HOWLEY, St. Nicholas Bldg., Pittsburg, $48,316; Dinsmore road, FOLEY BROS., $13,759.

SPANGLER, PA.—J. A. McClain, Clk. Council, writes us that some of the streets here will be graded and macadamized.

UPPER MARLBORO, MD.—Bids are asked by County Road Commissioners until May 16 for grading and macadamizing of about two miles of the Marlboro Turnpike; E. R. Boyle, Supt. Roads.

WASHINGTON, D. C.—Bids are asked until May 31 for curbing and paving road on U. S. reservation at Virginia approach to Washington Aqueduct Bridge. Capt. A. W. Butt, Depot Q. M.

WASHINGTON, D. C.—The contract for grading Pennsylvania Ave. S. E., from Branch Ave. to Bowen Road, was awarded by District Commissioners to J. C. McGUIRE & CO., at 21.49 cts. per cu. yd.

BRUNSWICK, GA.—Cement sidewalks will soon be laid on both sides of Union St.

AUGUSTA, GA.—The Southern Paving & Contracting Co., of Chattanooga, Tenn., is the lowest bidder for paving Jackson St. with vitrified brick. Nisbet Wingfield, Cy. Engr. Cost about $19,000.

NEW ORLEANS, LA.—Bids are asked by Chas. R. Kennedy, Cy. Comptroller, until June 16 for erection of asphalt plant for repair of asphalt streets. (Advertised, Engineering News.)

LOUISVILLE, KY.—Board Public Works are taking bids until May 17 for 4,100 ft. asphalt paving on Frankfort Ave.

FRANKFORT, KY.—L. R. FIGG, 306 Sixth St., Louisville, Ky., was awarded contract for 17,000 sq. yds. of vitrified brick paving in Frankfort.

PADUCAH, KY.—Contract for paving Third St. with brick and laying concrete sidewalks was awarded to THOS. BRIDGES & SON, of Wabash, Ind., for $73,176 and $3,020 respectively.

CINCINNATI, O.—Bids are asked by Board public Service until June 5 for paving Poplars St. with asphalt; est. cost, $6,478.

TOLEDO, O.—Board Public Service awarded to J. C. CARLAND, of Toledo, the contract for repaving Ontario St. with Canton brick on concrete foundation, at an approximate price of $9,100.

BUCYRUS, O.—We are informed that the contract for paving Sandusky Ave. with brick was awarded by Board Public Service, May 1, to MATT. A. MULLIGAN, of Ironton, O., for $16,236. C. P. Bryant, Cy. Engr.

ASHLAND, O.—Contract for grading Ohio and West Walnut Sts. was let to H. B. DESENBERG for $3,000.

COLUMBUS, O.—The BUCKEYE ENGINEERING & CONSTRUCTION CO. was awarded contract for building macadam road 1½ miles length as an extension of Dublin Pike, north of Fishinger Road, at its bid of $24,278.

CINCINNATI, O.—Bids are asked by County Commissioners until June 2 for crushed stone and gravel, at Columbia Ave. Eugene Lewis, County Audr.

CINCINNATI, O.—The following bids were received by Board Public Service, May 4, for improving Observatory Ave., requiring about 6,000 sq. yds. of macadam, 10,000 lin. ft. limestone curbs and gutters and 21,000 cu. yds. of grading: J. T. O'Brien, $51,563; Louis Drack Const. Co., $49,136; Kirchner Const. Co., $46,151; Henry Diekmier, $50,688; Henkel & Sullivan, $49,148; Jno. Rubble & Bros., $51,550; Jno. Sperry, $48,828; all of Cincinnati.

ZANESVILLE, O.—E. H. Smith, Cy. Engr., informs us that contract will be let in June for 2,345 sq. yds. brick paving and 1,340 lin. ft. of concrete curbing.

CINCINNATI, O.—Bids are asked by Board Public Service until May 29, paving of Park Ave. with asphalt. Geo. F. Holmes, Clk.

CLEVELAND, O.—Following bids were received May 8 by County Commissioners, Wm. H. Evers, County Engr., for brick paving on Schaaf Road: Baldwin [illegible] 855; J. F. Bunnan, $[illegible] 052; Geo. B. Hening, [illegible] Paving & Construction [illegible] land, Trinidad Paving [illegible] ard Paving Co., $[illegible] $86,789. All bidders [illegible]

ELYRIA, O.—Resolution [illegible] sary to pave Eighth St [illegible] brick was passed by C[illegible] Fauver, Clk.

GALION, O.—Contract [illegible] phur Springs and Plym[illegible] been let to MACK GL[illegible] about $12,000.

CANTON, O.—Bids a[illegible] by the Board Public S[illegible] Clk., for furnishing m[illegible] ing portions of 3d, 4th [illegible] by grading, curbing a[illegible] fied brick; bids on labor [illegible] received separately. T[illegible] Engr.

CLEVELAND, O.—Bid[illegible] Public Service until M[illegible] draining, building retain[illegible] wise improving a portion [illegible] R. Callow, Secy.

SANDUSKY, O.—Bids [illegible] Public Service, Bernard [illegible] till May 16 for construc[illegible] brick paving, 1,847 ft. n[illegible] sq. ft. sidewalk in Railroad [illegible]

ATTICA, IND.—Contract [illegible] eling and laying concrete [illegible] on South Perry St., has [illegible] FATZINGER, Frankfort, [illegible]

BLOOMFIELD, IND.—Bids [illegible] County Commissioners until [illegible] struction of gravel and ma[illegible] in Grant, Cass and Stafford Townships. Wm. H. Deckard, County Audr.

SOUTH BEND, IND.—Board Public Works awarded following contracts April 30 for constructing brick pavements: JAMES NELSON, Sample St., and Vistula Ave.; SIDERS Co., Arnold St.; C. H. DEFREES, Portage Ave.; H. N. BARNES, La Salle Ave.; HOBAN & ROACH, Colfax Ave. and Eddy and Elm Sts. Nelsonville block will be paved on Portage and Vistula Aves. and Sample St.; Hadley block on Arnold St.; Boston block on La Salle Ave., and Indiana block on Colfax Ave. and Eddy and Elm Sts.

TERRE HAUTE, IND.—Bids are asked until May 17 for improving Wabash Ave., by paving with vitrified brick and curbing with oolitic limestone; estimated eq. yds., 15,500. N. S. Kidder, Cy. Engr.

VERSAILLES, IND.—We are informed that the contract for 2¼ miles of road was awarded May 2, by County Commissioners, to HARRY DOBSON, of Napoleon, Ind., for $6,480. Nicholas Volz, County Audr.

BEDFORD, IND.—We are informed that HERMAN & KINSER, of Heltonville, Ind., were awarded contract May 1, by County Commissioners, for 9 miles of macadam or gravel roads in Marshall Township, for $16,975. Walter G. Owens County Audr.

VEEDERSBURG, IND.—W. B. La Baw, C. E., writes us that City Council has passed preliminary resolutions for street improvements. Bids will soon be advertised for.

GENESEO, ILL.—The CONCRETE CONSTRUCTION CO., of Rock Island, Ill., closed a contract with city of Geneseo on May 5, for 150,000 sq. ft. of concrete sidewalk and the necessary curbing and street crossings. Cost between $18,000 and $25,000.

CHICAGO, ILL.—Sacramento Ave., from West Twelfth St. to Sacramento Square, is to be made a boulevard. Plans and estimates for the improvement were adopted by West Park Commissioners April 26, and May 23 was set as date of public hearing. Cost, $145,821. Plans call for asphalt roadway, concrete sidewalks, lawn spaces, elm trees and forty arc lamps.

SPRINGFIELD, ILL.—A petition for paving North Second St. with brick has been filed with Board Local Improvements. Frank Hamilton is Cy. Engr.

GREEN BAY, WIS.—We are informed that 30,000 sq. yds bituilthic or brick pavement is to be laid here at an estimated cost of $60,000. Bids have not yet been taken. W. W. Read is Cy. Engr.

REDOAK, IA.—We are informed that J. S. McLAUGHLIN, of Redoak, was awarded contract for about 14,000 sq. ft. of cement sidewalks, at 9 cts. per. sq. ft. Bids were opened by F. J. Brodly, Pres. Bd. of Dir., April 18.

ST. PAUL, MINN.—Board Public Works awarded contract for grading Thomas St. to P. H. THORNTON, Gilfillan Bldg., St. Paul, for $3,727.

DULUTH, MINN.—A number of new cement sidewalks were ordered by Common Council. T. F. McGilvray, Cy. Engr.

HELENA, MONT.—City Council awarded contract for paving Main St. with brick to LOUIS JOHNSON, of Helena, at $43,500.

LITTLE ROCK, ARK.—E. A. Kingsley, Cy. Engr., informs us that bids will be received until May 22 for 16,000 sq. yds. brick paving on East Ninth St.

ENID, OKLA.—We are informed that this city contemplates doing considerable paving. The City Council has already passed on the paving of 5½ blocks on Broadway.

DENVER, COLO.—The Denver Union stock yards will be paved with brick at once. Mr. Ballantine is Gen. Mgr.

PORT TOWNSEND, WASH.—Bids are asked until May 15, 2 p. m., for construction of granolithic walks at Port Flagler, Wash. Geo. H. Penrose, Q. M., U. S. A.

TACOMA, WASH.—Frank L. Davis, Cy. Engr., informs us that bids will be received about June 1 for paving of Jefferson Ave. with asphalt. Cost $16,000.

SPOKANE, WASH.—Board Public Works awarded contracts April 26 for grading, curbing, parking and sidewalking various streets as follows: JAMES C. BROAD, Nora Ave., $3,765; PETER COSTELLO, Cedar St., $350; P. COSTELLO, Perry St., $[illegible]00; J. C. BROAD, Maple St., $2,065; JAS. H. FITZ

Cannon St., $... P. COSTELLO, Montgomery Ave., $3,... and Jackson St., $2,890; all of Spokane.

SAN FRA... CO, CAL.—Bids are asked until May 31 ... grading roads and gutters, building dra... etc., at Fort Barry, Point Bonita, Cal. ... Wm. S. Patten, A. Q. M. G.

SAN FRA... CO, CAL.—Bids are asked by Col. Wm... Patten, Asst. Q. M. Gen., until May 3... furnishing labor and materials requir... grading roads and gutters, building dr... etc., at Fort Barry, Point Bonita, Cal.

PARRY ... ND, ONT.—We are informed that S. B. ... RAGGE, of Wiarton, Ont., was awarded ... ontract for 55,000 sq. ft. of granolithic ... walks here at 9.95 cts. per sq. ft. E. ... rmstrong, Town Clk.

ARNPRI... —Bids are asked until May 26 for ... nstruction of about 120,000 ft. of concrete ... lks, besides curbs and crossings. Geo. ... Neilson, Clk.

DUNNVI... ., ONT.—Bids are asked until May 17 fo... nstruction of about 20,000 sq. ft. of cem... concrete walks. J. W. Holmes, Clk.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

CAMBRIDGE, MASS.—THE FORSBURG CO., Boston, Mass., has been awarded contract for bakery for Ward-Corby Co. Cost, $100,000. ... L. Parsons, Arch., 1421 New York Ave., Washington, D. C., is in charge of equipment.

DORCHESTER, MASS.—Walter Baker & Co., of Milton, Mass., who will erect a new power house at their factory in Dorchester, have ordered from ALLIS-CHALMERS CO. the complete machinery equipment, which includes two 750-KW. Bullock alternating current generators for direct connection to Reynolds-Corliss vertical cross-compound engines, and two 125-KW. Bullock generators with exciters. The cylinders of the engines will be 22 and 48 ins. in diameter and will have a 48-in. stroke. The two large generators are designed to operate at 120 revolutions and the smaller at 77 revolutions per minute. The electrical apparatus is to be built at Cincinnati, and the engines will be furnished from the West Allis, Milwaukee, plant of Allis-Chalmers Co.

NEWPORT, R. I.—Bids are asked by Bureau of Equipment, Navy Department, until May 23 for machine shop and power house for U. S. Naval Coal Depot, Narraganasett Bay. (Advertised, Engineering News.)

NEW BRITAIN, CONN.—The contract for addition to Trumbull Electric Mfg. Co.'s plant has been let to B. H. HIBBARD CO., of New Britain. W. H. Caldwell, of New Britain, is Arch.

ASTORIA (L. I.), N. Y.—The Astoria Vender Mills are taking bids on a new kiln, to cost $10,000. Brick, 1 story, 40 × 90 ft. Drying kiln machinery will be required.

NEW YORK, N. Y.—Horgan & Slattery, Archs., 1 Madison Ave., are preparing plans for saw mill and joiner shop; 5 stories, 75 × 100 ft., for T. G. Patterson, at 11th and 12th Aves. on 55th St. Owners will install a power plant which consists of engines, boilers, shafting, belting, wood shop equipment and steel stack.

Plans have been filed by S. Sass, Arch., 23 Park Row, for an 11-story factory, 31 × 110 ft., for Middleboro Realty Co., 16 East 12th St., to be erected on University Place.

OLEAN, N. Y.—The Pennsylvania R. R. Co. has awarded to GEO. SCHAAF, of Buffalo, the contract for new blacksmith shop at Olean.

NEW YORK, N. Y.—Townsend Steinle & Haskell, Archs., 29 East 19th St., are taking figures on brick addition to factory at 211 East 94th St., to be 3 stories, 50 × 100 ft., for Chas. Zeiler Co., 12 Water St. Owners will want figures on boilers, engines, shafting, belting, piping and electric elevator.

NEW YORK, N. Y.—Wm. Flanagan, Arch., foot of East 26th St., has completed plans for a new boiler house for City of New York, Department of Public Charities Building, to be located at Blackwell's Island, 1-story, 50 × 75 ft. with steel truss roof and skylights. About 600 HP. of horizontal water tube boilers will be required. Cost of building, $75,000.

WHITEHALL, N. Y.—JOHN DYER, of Albany, N. Y., has been awarded contract for an addition to silk mill for Champlain Silk Co. Cost, $40,000.

PATERSON, N. J.—J. E. Lupkin, Ch. Engr., for Metropolitan Silk Mills on Van Houton St., Paterson, and which are owned by Paterson Safe Deposit & Trust Co., 152 Market St., Paterson, wants figures on 1 300-HP. water wheel to be direct-connected to 1 200-KW. generator. About Sept. 1 figures will be wanted on two 200-KW. direct-current generators to be used for driving the mill by electricity, and also about 400-HP. of electric motors, of from ½ to 2-HP. each capacity. Switchboards and a steel stack will also be required with some steam fitting apparatus and plumbing.

NEWARK, N. J.—P. Ballantine & Sons, 131 Cedar St., New York, intend to make extensive alterations and additions to their brewery in Newark. Architect has not been selected as yet.

DOVER, N. J.—Paul Gunther & Co., manufacturer of silk hosiery, at Dover, want figures on engines, boilers, motors, shafting, belting and heating system for a new building.

NEWARK, N. J.—J. E. Mergott & Co., Newark, will build several new buildings for their factory in the near future. Engines, boilers, motors, generators, shafting, belting and a heating system will be required.

NEWARK, N. J.—Hill & Stout, 1123 Broadway, New York, have awarded contract for new factory to be built for Maas & Waldstein, at Newark, to J. W. FERGUSON CO., of Paterson, N. J.

PATTENBURG, N. J.—A large cement plant will be erected at Pattenburg this year by syndicate of which H. C. Bennett, 18 Wall St., New York, is Pres. G. D. Claflin, 39 Cortlandt St., New York, is engineer and architect of project, which will include main building, 150 × 350 ft.; boiler house, 50 × 60 ft.; engine room, 90 × 120 ft.; storage building, 50 × 250 ft., and grinding building, 50 × 100 ft., all one story high. Engines, generators, motors, boilers, shafting, belting, elevators, heating apparatus, extensive blower system, cement machines, mixers, grinders, conveyors, steam traps, feed-water heaters, brick stack, structural steel, Portland cement, wire lath, slag roofing, skylights, and plumbing apparatus will be required.

CLIFTON, N. J.—Wise & Watson, Archs., Passaic, N. J., are preparing plans for factory to be built at Clifton for Pitkin & Holsworth, of Clifton. Engines, generators, motors, boilers, shafting, belting, blowers and a hot water heating system will be required. Details will probably be decided about June 1.

JERSEY CITY, N. J.—N. A. Tilton, Arch., 76 Montgomery St., Jersey City, has plans in progress for a factory, 4 stories, brick, 50 × 150 ft., for the American Ferment Co., 81 Steuben St., Jersey City. Engines, generators, boilers, blowers, motors, elevators, shafting and belting will be required, with a hot water heating system and electric lighting throughout. Power house will probably be a separate building.

NEWARK, N. J.—The Taylor-Martin Engineering Co., of Newark, are about ready for figures on a fur-cutting factory, to be erected at Newark. Brick, 3 stories, 50 × 200 ft., with 1-story power house, 30 × 60 ft. Engines, boilers, generators, motors, blowers and elevators will be installed.

PATERSON, N. J.—P. S. Van Kirk, of Paterson, has secured the general contract for factory to be erected by Sipp Electric & Machine Co., of Paterson. Owners will be ready soon for bids on engines, generators, motors, blowers, machine shop equipment, foundry equipment and pattern shop equipment. Main building, 3 stories, 50 × 100 ft; shop, 1 story, 50 × 60 ft.; office, 1 story, 50 × 50 ft.

NEWARK, N. J.—J. E. Mergott & Co., Bloomfield Ave. and Third St., Newark, will erect a factory, 4 stories, 75 × 300 ft., with power house 50 × 75 ft., one story. Alfred Walters, 45 Clinton St., Newark, is Arch. Owners desire figures on engines, boilers, generators, motors, shafting, belting, blowers and hot water heating system.

PHILADELPHIA, PA.—The Philadelphia Rapid Transit Co. has invited bids for repair shops on West Chester Pike. Brick and reinforced concrete, 1 story, 250 × 560 ft. W. S. Twining, Engr., 820 Dauphin St., is in charge of equipment.

JOHN R. WIGGINS & CO., Held Bldg., have been awarded contract for a plant at 30th and Ritner Sts., for United Gas Improvement Co. Will be used for the manufacture of coal briquettes.

James Foster, 3050 Ludlow St., has invited bids for a factory at 3050-4 Ludlow St. Brick, 6 stories, 60 × 100 ft.

M. Ward Easby, Arch., 1420 Chestnut St., has invited bids for a carpet factory at Jasper and Orleans Sts., for Joseph Lomax. Brick, 4 stories, 145 × 50 ft.

Ballinger & Perrot, Archs., 1200 Chestnut St., have plans in preparation for a two-story pattern and moulding shop at 25th St. and Washington Ave.

HENRY C. DAHL, 241 South Sixth St., has been awarded contract for a factory at 122 Pine St., for R. C. Chance's Son. Brick, 4 stories, 40 × 70 ft.

The Scott Paper Co., Seventh St. and Glenwood Ave., have invited bids for an addition to their factory. Brick, 5 stories, 35 × 90 ft.

WILKESBARRE, PA. — McCormick & French, Archs., have invited bids for a bottling plant for Steigmeier Brewery Co. Brick and steel, fireproof, 4 stories, 50 × 75 ft.

H. J. Blackwood, Arch., Scranton, has invited bids for a silk mill and power house for Valentine Bles. Brick, 2 stories, 50 × 100 ft.

PITTSBURG, PA.—The Atlan Copper & Brass Co. with temporary offices at 201 Ferguson Bldg., Pittsburg, have secured a charter and organized company for manufacture of copper and brass tubing, sheets, bars and wire products in copper and brass. Capital, $750,000. The company is about ready to take bids for the erection of plant and on necessary machinery. The following officers have been elected: President, James Hay; vice-President and Treasurer, John C. Porter; Secretary, W. H. Albro.

PHILADELPHIA, PA. — RODYHOUSE, AREY & CO., Fidelity Bldg., have been awarded contract for a dye house and power house at Howard and Morris Sts., for Chas. Potter & Son.

BALTIMORE, MD.—Swift & Co., of Chicago, Ill., with local offices at Eutaw and Camden Sts., Baltimore, have purchased site 74 × 67 ft. at Pratt and Howard Sts. and will erect four-story refrigerating plant.

BALTIMORE, MD.—N. P. Corkran, 12 North Frederick St., has awarded contract to HENRY MINDER, 412 North Wolfe St., for construction of carriage factory at 1113 East Lexington St. Brick, 3 stories, 25 × 33 ft.

PARKERSBURG, W. VA.—The Empire Carbon Mfg. Co., capital $100,000, recently organized, will erect two carbon factories in Calhoun County, one at Stumptown and the other at mouth of Steer Creek.

DARLINGTON, S. C.—The W. D. Coggeshall Co. will erect a ten-ton ice factory here at a cost of $10,000 or $15,000.

MOULTRIE, GA.—The Huber-Norman Lumber Co. will erect a $50,000 saw mill, with a capacity of 50,000 to 60,000 ft. per day.

ACWORTH, GA.—Acworth Cotton Mfg. Co., Orlando Awtrey, Pres., Acworth, will probably open bids in 30 days for 5,000-spindle cotton-mill equipment complete.

READERS' WANTS

If any one is in the market for any engineering or contracting supplies, the first thing to do is to refer to our advertising pages, but if the buyer cannot find what he wants we particularly ask that he notify us at once and we will inform the proper parties without cost to the inquirer. A copy of **ENGINEERING NEWS BUYERS' GUIDE** will be mailed to any one upon application. This paper will always appreciate any news notes regarding public, or important private work, and will be pleased to receive detailed items. Requests to hold names will be complied with in every case. **Do not fail to write our advertisers or us.**

CRANE.—Mobile, Ala.—The Republic Creosoting Co., Mobile, is in the market for a crane.

GAS ENGINES.—Boston, Mass.—Andrew J. Morse & Son, 140 Congress St., writes us that they wish data relating to gas engines.

CASTINGS, FORGINGS, ETC.—Americus, Ga.—W. H. Sawyer & Sons are reported as in the market for castings, etc., to be made from their designs.

JAIL DOORS, CELLS, ETC.—Salem, Va.—J. N. Ambler, C. E., writes us that he wishes to be placed in communication with manufacturers of the above.

CONCRETE, MACHINERY, CEMENT, ETC.—Boston, Mass.—Ralph Giddings, 408 Ruggles St., writes us that he wants data relating to the above.

COTTON MILL MACHINERY.—Acworth, Ga.—The Acworth Cotton Mfg. Co. is understood to be in the market for equipment for a 5,000-spindle cotton mill plant.

WATER PIPE.—Wheeling, W. Va.—Wilson Hodge, Pres. Standard Construction Co., writes us that he will soon be in the market for 3,000 ft. of 4 and 6-in water pipe.

CORK CUTTING MACHINERY.—New York, N. Y.—D. D. Williamson & Co., Chemists, 14 Dey St., write us that they wish the name of two or three manufacturers of the above.

BEAMS, ETC.—Schenectady, N. Y.—H. B. Sproul, 413 Victory Ave., writes us that he is in the market for 10 18-in. 55-lb. × 17-ft. I beams for June delivery over a diaphragm pump with 20 ft. hose.

TRADE CATALOGUES.—New York.—The Municipal Engineers of New York, 142 W. 49th St., inform us that they wish to receive catalogues for their library that refer to mechanical, electrical and civil engineering.

ROAD ROLLERS.—China.—Purnel & Paget, Archs. and Civil Engrs., Canton, China, write us that they are in the market for steam and other road rollers. State full particulars regarding shipment to China, and send complete catalogues.

ELECTRICAL EQUIPMENT.—Hot Springs, N. C.—The Hot Springs Mfg. Co. is in the market for the above, as are also Geo. B. Long, of Lexington, Ky.; J. C. R. Foster, of Tallahassee, Fla.; Rice Snapp, of Newmarket, Va., and the Batesville Power Co., Box 198, Batesville, Ark.

CORE DRILL WORK.—Roanoke, Va.—B. T. Elmore, Asst. Ch. Engr., Tidewater Ry. Co., writes us that he wants the names of firms prepared to contract for core drill work, as it is intended to make a number of test holes for bridge foundations and to determine the character of material in heavy cuts along the proposed line of road. It is desired to take out a 2 or 3-in. core.

SELMA, ALA.—The plant of American Candy Mfg. Co. was damaged by fire. Loss, $25,000.

NEW ORLEANS, LA.—The New Orleans Brewing Co. will expend about $10,000 in improvements to Weckling plant, which was recently damaged by fire.

KNOXVILLE, TENN.—A. ANDERSON & CO., 721 Olive St., St. Louis, Mo., have contract to erect repair shops and car barn for Knoxville Traction Co.; car barn to be 70 × 300 ft., shops 95 × 180 ft., of fireproof construction and cost $75,000.

HOPKINSVILLE, KY.—The American Snuff Co. will erect a snuff factory here at a cost of $30,000.

CENTRAL CITY, KY.—Central City Canning Co., recently incorporated with $20,000 cap. stock to build tomato cannery, will erect building 150 × 60 ft. H. E. Coche is Engr.

VINE GROVE, KY. — The Vine Grove Stave Mfg. Co. will add hoop machinery to its plant. J. C. Cardwell is Pres.

TOLEDO, O.—It is reported that the Talk-O-Phone Co., of Toledo, is to consolidate with a large Eastern firm, and will build a new plant, at a cost of $1,000,000.

INDIANAPOLIS, IND.—County Commissioners have let contract for the repair and rebuilding of laundry and engine house at Juetta Insane Hospital to WOLF & EWING, for $11,685.

EVANSVILLE, IND.—The Crescent City Shoe Co. has ordered plans for a new three-story addition, 40 × 81 ft., to its plant. Bids will be asked as soon as plans are completed. Harris & Shopbell are Archs., 123 West Fourth St.

LAWRENCE, IND.—The Lawrence Elgin Butter Co., recently incorporated, Anton Hartman, Pres., will construct a new creamery plant in this place. Bids for construction and machinery will be invited soon.

SOUTH BEND, IND.—The South Bend Cold Storage Co. has incorporated with $10,000 cap. stock. The company will establish a cold storage plant in South Bend. Jos. Swindel is Pres.

SHOALS, IND.—A site has been donated for an iron and brass bed factory in this place. Cost, $35,000. Address Town Clerk.

CHICAGO, ILL.—C. A. Eckstorm, Arch., Tacoma Bldg., is preparing plans for a manufacturing building, to be erected at 20th St. and Michigan Ave., for Western Bank Note & Engraving Co. Cost, about $450,000.

CHICAGO, ILL.—It is stated that bids are being received by Jenney & Mundie, Archs., 171 La Salle St., for manufacturing building to be erected at Cass and Indiana Sts., for Price Baking Powder Co. Cost, $115,000. Brick, 7 stories, 100 × 100 ft.

F. V. Newell, Arch., 78 La Salle St., is preparing plans for ten plants to be erected in various parts of Minnesota for N. I. Peat Fuel Co. Brick and stone, 1 and 2 stories, 100 × 200 ft. each, with steel truss roof. Cost, $200,000.

MILWAUKEE, WIS.—Plans are being drawn for construction of a new factory building for Four-Wheel Drive Wagon Co., capitalized at $1,000,000, at 32d and Villet Sts.

MILWAUKEE, WIS.—The Patton Paint Co. plans the expenditure of $100,000 in rebuilding its Milwaukee works and adding two new buildings, one for making implement paint and the other for a box factory and label printing.

MINNEAPOLIS, MINN.—It is stated that the Twin City Rapid Transit Co. is receiving bids for construction of new shop buildings. Plans provide for buildings to cover about eight acres, of which the largest will cost nearly $200,000.

TOPEKA, KAN.—Bids are asked by State Printing Board until May 27 for construction of state printing plant. Plans were prepared by State Architect Stanton.

HUMBOLT, KAN.—The Stewart Oil & Gas Co. will issue $60,000 of treasury stock and build a refinery with two 300-bbl. stills.

KANSAS CITY, MO.—Cassius M. Gilbert and associates are organizing company to erect plant for the manufacture of rubber articles; cost, $150,000. Mr. Gilbert has offices in the Dwight Bldg.

KANSAS CITY, MO.—The Kansas City Plow Co. will erect factory building, 60 × 100 ft., at 17th St. and Oakland Ave.

ARGENTA, ARK.—The Crystal Ice Co. will build an ice factory here. Dr. C. R. Brinault, of Little Rock, is Pres.

PINE BLUFF, ARK.—A sash and door factory will probably be located here by E. G. Scripture, of London, O. J. B. Johnson, Secy. Board of Trade, can give information.

TEMPLE, TEX.—T. J. Darling, of Temple, will be in the market for equipment for creamery.

LOS ANGELES, CAL.—It is reported that the Los Angeles Ry. Co. will establish its main shops on a 25-acre tract near Eastlake Park. Buildings will cost between $200,000 and $300,000, exclusive of machinery. G. J. Kuhrts is Ch. Engr., Los Angeles.

OXFORD, N. S.—The American Furniture Co. has decided to rebuild their factory.

TORONTO, ONT.—The D. Conboy Carriage Top Mfg. Co. intend building a new factory on the Esplanade, near Queen St., 400 × 600 ft., 3 stories. Cost, $60,000.

TORONTO JUNCTION, ONT.—The C. P. R. will make extensive improvements to their plant and yard here. The round-house will be enlarged, new wrecking shop built, of brick, and probably a new boiler shop.

BERLIN, ONT.—The by-law to loan the Dennis Wire & Iron Works Co., of London, $15,000 for establishing their works here, was carried by ratepayers.

HAMILTON, ONT.—The Diamond Glass Co. intend starting a glass factory at James and Pictou Sts. and are having plans prepared for additional buildings.

BRAMPTON, ONT.—The Copeland-Chatterson Co., of Toronto, intend installing an electric plant in their factory now being built here.

WINNIPEG, MAN.—Plans have been prepared by J. Y. Griffin & Co., pork packers, for the erection of a beef plant to replace one recently burned, also meat canning plant, at a combined cost of approximately $100,000. Brick, 3 stories, 300 × 60 ft.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

DREDGING.—Wilmington, Del.—Bids are asked until June 5 for dredging in Smyrna River, Del. Capt. C. A. F. Flagler, U. S. Engrs. (Advertised, Engineering News.)

DREDGING.—Cleveland, O.—Bids are asked until June 5 for dredging in Sandusky Harbor, O. Lt.-Col. Dan. C. Kingman, U. S. Engrs. (Advertised, Engineering News.)

PIER WORK.—Duluth, Minn.—Bids are asked until June 5 for pier work at Port Wing, Wis. Major Chas. L. Potter, U. S. Engrs. (Advertised, Engineering News.)

EXCAVATION.—Buffalo, N. Y.—Bids are asked until June 6 for channel excavation at Ogdensburg Harbor, N. Y. Lt.-Col. H. M. Adams, U. S. Engrs. (Advertised, Engineering News.)

BREAKWATER.—Rondeau, Ont.—Bids are reported asked by Fred Gelinas, Secy. Dept. Pub. Wks., Ottawa, Ont., until May 29 for construction of two breakwaters at this place.

NUTS, SPIKES, ETC.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts until June 6 for furnishing a quantity of naval supplies, among which are nuts, spikes, parts for Brown hoisting machinery, belting, copper pipe, etc. H. T. B. Harris, Paym.-Gen., U. S. N.

LANDING PIER.—Peel Head Bay, Que.—Bids are asked by Fred. Gelinas, Secy. Dept. Pub. Wks., Ottawa, Ont., until May 29, for constructing landing pier at Peel Head Bay.

GRAIN ELEVATOR.—New Orleans, La.—Illinois Central R. R. is reported to have let contract for rebuilding second grain elevator at Stuyvesant Docks to GEO. B. SWIFT CO., Chicago, Ill.

DOCK.—Edgewater, N. J.—John Monks & Sons, 82 Beaver St., New York, at $18,463, was low bidder May 4 for building public dock at Hilliard Ave. for this borough. Wm. Cass is Boro. Engr.

GRAVEL.—New York, N. Y.—Bids are asked by Park Board, John J. Pallas, Pres., Arsenal Bldg., until May 18 for furnishing and delivering Hudson River road gravel on parks and parkways.

APPROACHES, ETC.—New Orleans, La.—Bids are asked until May 29 for excavation and fill and constructing approaches of Plaquemine Lock, Plaquemine, La. Lt.-Col. Clinton B. Sears, U. S. Engrs.

HOSE.—New York, N. Y.—Bids are asked by Commissioner of Street Cleaning 13 Park Row, until May 18 for furnishing 2,000 ft. 2½-in. rubber hose in 25-ft. sections and 325 ft. 2½-in. hose in 13-ft. sections.

DITCH WORK.—Bement, Ill.—W. J. Day, Engr. in charge, writes us that contract for cleaning and enlarging Lake Fork special main ditch has been let to M. C. McGUINIS, Bement, Ill., at 8 9-10 cts. per cu. yd.

PIERS.—Philadelphia, Pa. — Philadelphia Rapid Transit Co., is reported to have awarded contract for pier on Delaware River to ARMSTRONG & LATTA, Land Title Bldg., pier will cost about $80,000.

RETAINING WALL.—Philadelphia, Pa.—Bids are asked until May 24 by Lt.-Col. Frank Heath, Commanding, Frankford Arsenal, for construction of about 1,000 cu. yds. reinforced concrete retaining walls.

SAND CRUSHING PLANT.—Phoenix, Ariz.—Bids are reported as being asked by the Supervising Engineer, U. S. Reclamation Service, Phoenix, until 2 p. m., May 15, for furnishing a sand-crushing plant at Roosevelt dam site.

JETTY WORK.—Cleveland, O.—Bids are asked until June 8 for stone reinforcement and repair of jetties at the harbors of Port Clinton and Vermilion, O. Lt.-Col. Dan. C. Kingman, U. S. Engrs. (Advertised, Engineering News.)

PROTECTION DIKES.—Savannah, Ga.—Bids are asked until June 8 for building training and shore protection dikes in Savannah River, near this place. Lt.-Col. James B. Quinn, U. S. Engrs. (Advertised, Engineering News.)

DUMP CARTS, WAGONS, ETC.—Washington, D. C.—Bids are asked by Isthmian Canal Commission, Major H. J. Gallagher, U. S. A., Purchasing Agent, until May 31, for furnishing dump carts and wagons, wheeled scrapers, ambulances and cart harness.

STEEL SHED.—New Orleans, La.—Bids are asked by Port Commissioners, Hugh McCoskey, Pres., until May 30 for construction of Julia St. steel shed No. 2. J. F. Coleman, Engr., Hibernia Bank Bldg. (Advertised, Engineering News.)

PILE DRIVERS.—New York, N. Y.—All bids received May 5 by Maurice Featherson, Comr. Docks, for building three pile drivers, four boat landing stages, four diving scows and one derrick were withdrawn and new bids will be taken in about two weeks.

RETAINING WALL.—New York, N. Y.—Bids are asked by C. B. J. Snyder, Supt. of School Buildings, Park Ave. and 59th St., until May 15 for erection of stone retaining wall at Public School 8, Mohoun Parkway, Bedford Park, Bronx Borough.

DOCK.—Burlington, Vt.—All bids received April 29 by Committee on Public Dock were returned unopened to bidders, owing to the construction of the dock being enjoined. It is probable that nothing will be done for some time. F. O. Sinclair is Cy. Engr.

CONCENTRATING PLANT.—Riverside, Cal.—We are informed that New York Consolidated Mining Co., Thos. Doak, Pres., Riverside, will be ready in about 90 days to let contracts for a concentrating plant; bonds for that purpose are now being placed.

DITCH.—Roseau, Minn.—Bids will be opened by County Auditor May 22 for construction of county ditch, eight miles long, and estimated to cost $10,000. Ditch is to be 10 ft. bottom width, with depth of 4 to 5 ft. and slope of 1½ to 1. J. H. Baugh is Engr.

RETAINING WALL.—Wheeling, W. Va.—Bids are asked by T. C. Moffatt, County Clk., until 2 p. m., May 18 for building stone or concrete retaining wall on the National Road, about two miles east of city. Herman L. Arbenz, County Engr., 1505 Chapline St.

CONCRETE DAM.—Iowa City, Ia.—We are informed that plans are now under way for construction of concrete dam across Iowa River at Iowa City. The work is to be done for the State University of Iowa, and bids will be asked some time in June. Wm. G. Raymond is Engr.

LIMESTONE, CEMENT, ETC.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts until May 23 for furnishing a quantity of naval supplies, among which are limestone, Portland cement, piles, hose, pumps, pipe, etc. H. T. B. Harris, Paym.-Gen., U. S. N.

PIER.—New York, N. Y.—Contract for constructing new pier at foot of Beekman St., bids received May 5, by Maurice Featherson, Dock Comr., has been awarded to BERNARD ROLF, 39 Cortlandt St., New York, for $29,833, and 45 cts. per yd. additional for about 3,000 cu. yds. ripraping.

DREDGING.—Genesco, Ill.—Bids are asked by the Commissioners of Green River Special Drainage District until June 12 for the construction of drainage ditches, requiring removal of about 4,500,000 cu. yds. of material. A. H. Bell, Engr., Bloomington, Ill. (Advertised, Engineering News.)

MONUMENT.—Indianapolis, Ind.—We are informed that Board of Commissioners of the Oliver P. Morton Monument, D. R. Lucas, Secy., are raising funds, so as to have about $50,000 for the erection of a monument in memory of Oliver P. Morton. The state has appropriated $35,000 for that purpose.

PIER WORK, CEMENT.—New York, N. Y.—Bids are asked by Maurice Featherson, Comr. Docks, Pier A, Battery Pl., until 2 p. m., May 15 for preparing for and building new pier near foot of Jones' Lane, East River; bids are wanted also for furnishing and delivering 10,000 bbls. Portland cement.

DRAINAGE WORK.—Havana, Ill.—Bids are asked until May 19 for the excavation of about 245,000 cu. yds. of dirt by dredge boat from the ditches of the Mason and Tazewell Special Drainage District. Hobart Hamilton, Engr., Petersburg, Ill. Specifications may be seen at office of Engineering News, 220 Broadway, New York. (Advertised, Engineering News.)

ELEVATORS.—Washington, D. C.—Following bids were received May 4 by Superintendent of State, War and Navy Departments Building for two high speed hydraulic elevators to be installed in north wing of the building: Kieckhefer Elevator Co., Milwaukee, $14,200; Otis Elevator Co., Washington, D. C., $15,780; Eaton & Prince Co., Chicago, $16,500.

MACHINE TOOLS.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts until June 6 for furnishing quantity of machine tools, as follows: Schedule 244—Drop hammer, trimming press, dust-collecting system; schedule 245—grinders, electric traveling crane, drills, planers, shapers, grinders, polishers, milling machines, band saw. H. T. B. Harris, Paym.-Gen., U. S. N.

CONCRETE DAM.—Glens Falls, N. Y.—D. E. Van Wirt, Ch. Engr., Hudson Valley Ry., writes us that plans for a concrete dam at Stillwater have not been completed as yet. Bids are to be asked for in a few weeks. The State Barge Canal Commission will probably have charge of the work as the dam must conform to their requirements. Est. cost of dam is $15,000, and about 1,200 cu. yds. concrete will be used.

DAM CONSTRUCTION.—Pittsburg, Pa.—Contracts for dam work, bids for which were received April 17 and 18 by Major Wm. L. Sibert, U. S. Engrs., have been let as follows: Dam No. 2, Six Mile Island, Allegheny River, J. S. H. McQUADE, Pittsburg, $197,337; Dam No. 3, Ohio River, at Glenosborne, Pa., OHIO RIVER CONTRACT CO., Evansville, Ind., $217,020; Dam No. 5, Ohio River, near Freedom, Pa., DRAVO CONTRACTING CO., Pittsburg, $273,408.

STEAM SHOVELS.—Washington, D. C.—Following bids were received May 3 by Isthmian Canal Commission for 12 steam shovels, type B: John Southard & Co., Boston, Mass., Royce & Ricketts, Washington, D. C., agents, 1 cu. yd. bucket machine, $5,000 each; 2 cu. yd, $6,500; 3 cu. yd, $7,500; 2 cu. yd. broader gage, $5,800; price, f. o. b. Boston. Marion Steam Shovel Co., Marion, O., 93-ton shovels, $156,780. Bucyrus Co., South Milwaukee, Wis., 90-ton shovels, $143,800; 95-ton shovels, $151,890.

DAM.—Wheeling, W. Va.—Bids were received May 3 by Major Geo. A. Zinn, U. S. Engrs., for building Dam No. 18, Ohio River; bids were taken under two forms (1) for dam with service bridge and (2) for dam without service bridge, the totals being as follows: Brady Construction Co., Fairmont, W. Va., (1) $330,373, (2) $267,106; Ohio River Contract Co., Evansville, Ind., (1) $351,740, (2) $288,912; Baker Contract Co., Inc., Pittsburg, Pa., (1) $317,021, (2) $249,250. Itemized bids are given under Contract Prices.

QUAY WALL EXTENSION.—Puget Sound, Wash.—Following bids were received May 6 by Bureau Yards and Docks, Washington, D. C., for extension to quay wall at dry dock, Navy Yard, Puget Sound: J. H. Randall, 211 Second Ave., Seattle, Wash., $45,756; Contracting Engineering Co., 614 Fidelity Bldg., Tacoma, Wash., $47,847; Franklin Fireproofing Co., 524 Wilson Bldg., Dallas, Tex., $43,500; International Contract Co., 738 New York Block, Seattle, Wash., $43,950; Cotton Bros. & Co., Bacon Bldg., Oakland, Cal., $52,833; Burrell Construction Co., Central Bank Bldg., Oakland, Cal., $48,440; Timothy Ryan, 28 Sullivan Block, Seattle, Wash., $46,400; Puget Sound Bridge & Dredging Co., 28 Sullivan Block, Seattle, Wash., $45,000.

U. S. POSSESSIONS AND CUBA.

The names of parties awarded contracts are printed in capital letters.

SEWERS AND WATER-WORKS.—Philippines.—Bureau of Insular Affairs, Washington, D. C., will open bids May 25 for $1,000,000 of the sewer and water-works construction bonds of the city of Manila. These bonds will be the first of an issue of $4,000,000.

WHARVES.—Philippines.—The Philippine Commission has authorized the Engineer of Manila Harbor, Maj. Townsend, to advertise for bids for construction of two steel and concrete wharves in that harbor. The largest is to be 110 x 650 ft. and the other 70 x 650 ft. For the construction of these wharves, the Commission will devote $550,000 from the proceeds of the next issue of improvement bonds.

COALING PLANT.—Philippines.—Specifications for the construction of a coal storage and coal handling plant at U. S. Naval Station, Olongapo, P. I., may be seen at office of Engineering News, 220 Broadway, New York. An appropriation of $504,000 is available for the work, and bids are being asked by the Bureau Yards and Docks, Washington, D. C., until Aug. 26, as was stated in our issue of last week.

CABLEWAYS.—Cuba.—Following bids were received May 6 by Bureau Yards and Docks, Washington, D. C., for constructing two traveling cableways at Naval Station, Guantanamo, Cuba: Snare & Triest Co., 143 Liberty St., New York, Item 1, $41,910; Mead, Morrison Mfg. Co., 11 Broadway, New York, Item 1, $44,000; Lambert Hoisting Engine Co., 115 Poinier St., Newark, N. J., Item 1, $23,836, $26,236, Item 3, $20,236, $22,636.

For other Proposals see Advertisements pages 35, 36, 37. Advertisements and News page 180.

Advertisements 39, 40, 41 of Construction

BRI[illegible]

Dayton, O.

Sealed proposals will be received at the office of the Clerk of the Board of Public Service of the City of Dayton, Ohio, until 12.00 o'clock noon, Tuesday, June 6th, 1905, for the construction of Concrete Steel Bridge across the Great Miami river at Washington street in the City of Dayton, Ohio. Plans may be seen on and after the 22d day of May, 1905, at the office of the City Civil Engineer, Dayton, Ohio, and at the office of the Engineering News Publishing Company, New York, or plans and specifications will be furnished by the City Civil Engineer on written request accompanied by a certified check for Twenty-five ($25) Dollars, payable to the order of the Clerk of the Board of Public Service. Checks for plans will be returned to all persons submitting proposals for said work upon the return of the plans to the Clerk of the Board of Public Service within ten days after the opening of bids.

Length of bridge between abutments 620 feet; width of roadway 36 feet; width of sidewalks 9 feet each.

All bids must be made upon the printed forms to be obtained at the office of the City Civil Engineer, and enclosed in a sealed envelope directed to the Board of Public Service, Dayton, Ohio, and endorsed upon the outside of the envelope, "Proposals for Washington Street Bridge, Dayton, Ohio."

A certified check on a National Bank payable to the order of the Clerk of the Board of Public Service for Five Thousand ($5,000) Dollars without any conditions whatever endorsed thereon, will be required of each bidder as a guarantee that if the bid is accepted, a contract will be entered into and the performance thereof properly secured.

The adequacy of the security offered for the performance of the contract, and also the previous experience and responsibility, as well as the present ability of the bidders, independently of the bond required, and the time for the completion of the work, will be considered by the Board in determining which is the lowest responsible bid.

The Board of Public Service reserves the right to reject any or all bids, or to waive defects in bids in the interest of the City.

By order of the Board of Public Service.

LOUIS HAAS, President.
WILLIAM F. MILLER, Clerk.
F. M. TURNER, Engineer. 19-4t

CONSTRUCTING SEWERS.

Darlington, S. C.

Sealed proposals will be received by the Mayor and Board of Aldermen of the Town of Darlington, S. C., until 12 o'clock M., June 1, 1905, for constructing a sewerage system in the Town of Darlington, S. C., and for furnishing the materials for the same.

Works will embrace approximately seven miles of pipe sewers from 8 to 18 inches diameter.

Plans and specifications will be on file, and may be seen at the office of the Town Clerk, and copies of specifications, forms, etc., may be obtained from the Engineer.

The right is reserved to reject any, or all, bids.

C. S. McCULLOUGH, Mayor.
EUGENE VAUGHN, Clerk.

J. L. LUDLOW, Engineer,
Winston, N. C. 19-2t

Mail Copy for Proposal Advertisements

and "TELEGRAPH US THE REST" *AT OUR EXPENSE*

OFTEN COPY AND ORDERS for proposal advertisements, to be inserted in ENGINEERING NEWS, arrive too late for insertion in the current week's issue, the last pages of which go to press WEDNESDAY NOON. To avoid the danger of advertisements being received too late, and having to wait a week for insertion, we suggest that the official in charge of sending instructions, mail us copy for the advertisement in advance of the board meeting, if possible. We shall hold this copy for further instructions, which may be telegraphed us at our expense, immediately after the meeting. The copy of the advertisement sent us should be left blank as to the hour and date when bids are to be opened, the amount of the security and check, and other items that cannot be determined in advance.

THE LAST PROPOSAL PAGES go to press Wednesday morning, so that copy for advertisements, or telegrams, received Wednesday noon will have immediate attention. Letters mailed from points east of the Mississippi River on Monday, will be received at this office on Wednesday. Mail from points beyond should be posted Thursday, Friday, or Saturday, according to the distance. If in doubt that copy will reach us in time, send us a draft of the advertisement and "TELEGRAPH US THE REST." Special delivery stamps can also be used to good advantage. Follow your telegram with definite instructions by letter.

ADVERTISE FOR BIDS IN ENGINEERING NEWS AS FAR IN ADVANCE as possible, and continue the advertisement until the day of opening bids. A number of municipalities do this with satisfactory results. Plans and specifications may be filed at our offices in New York and Chicago (Monadnock Block) for the benefit of intending bidders, and an addition will be made to your advertisement, stating this fact, FREE OF CHARGE to you.

COPY FOR OTHER ADVERTISEMENTS, often used by city, county and state officials, such as "Situations Open" (3 cents a word) and "For Sale" ($1.50 an inch) advertisements should reach us on Tuesday to insure insertion in the current week's issue. These small cards will always bring good results.

Address Letters and Telegrams to

ENGINEERING NEWS

220 Broadway, New York

SITUATIONS OPEN

WANTED.—For immediate employment, experienced contractor's engineer or superintendent familiar with sewer and pipe work in deep and wet, sandy soil. Must be experienced with pumping and cableway machinery, and competent to take full charge of the work. State age, salary wanted and references. Address "L. 19," Engineering News, New York. 19-1t

DRAFTSMAN.—Technically educated man of a few years experience in detailing and designing, preferably on water-works and masonry. Address, giving experience and references, E. G. MANAHAN, General Delivery, Cincinnati, O. 19-1t

WANTED.—Ship draftsman, $5.04, $4.48 and $4.00 per diem, Naval Station, Cavite, P. I. An examination will be held at the Navy Yard, Brooklyn, N. Y., June 2, 1905, for the purpose of establishing an eligible register of the above. For application and further information address "COMMANDANT," Navy Yard, Brooklyn, N. Y. 19-2t